

TEST RECORDS

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PART 1
TEST INFORMATION

1 General

Configuration	Description
Conducted Test Date	Original
	Start Date of Test: 2021-12-06
	End Date of Test: 2021-12-13
	Variant
	Date of Receipt Sample : 2022-07-03
	Start Date of Test: 2022-07-05
	End Date of Test: 2022-08-05

2 Auxiliary Facilities Supporting Tests

NOTE: The EUT was tested together with other necessary auxiliary facilities so as to form representative EUT installation configurations and test setup configurations during the tests.

Facility	Manufacturer	Model	Identification	Remark
RF Cable	HBTE Technologies Co.,Ltd.	HBTE-AC-RG316D-6-SMSM-1	SMA(male) - SMA(male)	--
RF Cable	HBTE Technologies Co.,Ltd.	HBTE-AC-RG316D-6-SMSM-2	SMA(male) - SMA(male)	--
RF Cable	HBTE Technologies Co.,Ltd.	18DLC400-NMSM-2000	SMA(male) - N(male)	--
BNC Cable	HBTE Technologies Co.,Ltd.	18DLC280-BNCJSM-2000	SMA(male) - BNC(male)	--
Optical Cable	--	--	2Port	--
Optical Module	Huawei	SFP28-25G-1310nm-10km-SMMTRA-3E31A	25G SFP	--
Attenuators	HBTE Technologies Co.,Ltd.	HBTE-CA010-6-20-SFSF-32	SMA(female) - SMA(female)	--
Test Master	Zillink	25G Test Master	25G SFP	--
Switch Box	HBTE Technologies Co.,Ltd.	HBTE-SS-64-1-0.3-6-S	Impedance : 50Ω	--
Power Supply (DC)	WANPTEK	NPS605W	--	Supply power for Test Master

PART 2

TEST PLANS

1 Test Environments

NOTE: The values used in tests may be stringent than that of declared.

Test Environment #	Temperature	Voltage	Relative Humidity
NTNV	See Ambient Environment	-48 Vdc	See Ambient Environment
LTLV	-40°C	-38.5 Vdc	---
LTHV	-40°C	-57.5 Vdc	---
HTLV	55°C	-38.5 Vdc	---
HTHV	55°C	-57.5 Vdc	---

2 EUT Configurations

Conf. No.	Total output power [W]	Power Level Per CH Per Carrier [dBm]	No. of Carriers	Carrier BW [MHz]	SCS [KHz]	Carrier Center Freq. [MHz]		
						Bottom	Middle	Top
1	40	27.96	1	20	30/60	3710	3840	3970
2	80	30.97	1	40	30/60	3720	3840	3960
3	120	32.73	1	60	30/60	3730	3840	3950
4	160	33.98	1	80	30/60	3740	3840	3940
5	200	34.95	1	100	30/60	3750	3840	3930
6	80	27.96	2	20	30/60	3710 + 3730	3710 + 3970 (No-continuous)	3950 + 3970
7	160	30.97	2	40	30/60	3720 + 3760	3720 + 3960 (No-continuous)	3920 + 3960
8	240	32.73	2	60	30/60	3730 + 3790	3730 + 3950 (No-continuous)	3890 + 3950
9	265	33.16	2	80	30/60	3740 + 3820	3740 + 3940 (No-continuous)	3860 + 3940
10	265	33.16	2	100	30/60	3750 + 3850	3750 + 3930 (No-continuous)	3830 + 3930
11	80	27.96	2	20	30/60	3710 + 3730	3830 + 3850	3950 + 3970
12	160	30.97	2	40	30/60	3720 + 3760	3820 + 3860	3920 + 3960
13	240	32.73	2	60	30/60	3730 + 3790	3810 + 3870	3890 + 3950
14	265	33.16	2	80	30/60	3740 + 3820	3800 + 3880	3860 + 3940
15	265	33.16	2	100	30/60	3750 + 3850	3790 + 3890	3830 + 3930

3 Test Configurations

No.	Test Item	Test Environment	EUT Config.	Test Model	Measured CH
1	RF POWER OUTPUT (POWER DENSITY)	NTNV	Conf. No. 1, Conf. No. 5	TM1.1, TM3.1, TM3.1a	All CH
			Conf. No. 2, Conf. No. 3, Conf. No. 4, Conf. No. 6, Conf. No. 7, Conf. No. 8, Conf. No. 9, Conf. No. 10		CH24*1 &CH3*1
2	PEAK TO AVERAGE RATIO	NTNV	Conf. No. 1, Conf. No. 2, Conf. No. 3, Conf. No. 4, Conf. No. 5	TM3.1, TM3.1a	CH24*1 &CH3*1
3	MODULATION CHARACTERISTICS	NTNV	Conf. No. 1, Conf. No. 2, Conf. No. 3, Conf. No. 4, Conf. No. 5	TM3.1	CH24*1
4	OCCUPIED BANDWIDTH AND 26DB BANDWIDTH	NTNV	Conf. No. 1, Conf. No. 2, Conf. No. 3, Conf. No. 4, Conf. No. 5, Conf. No. 11, Conf. No. 12, Conf. No. 13, Conf. No. 14, Conf. No. 15	TM1.1, TM3.1, TM3.1a	CH24*1 &CH3*1
5	SPURIOUS EMISSIONS AT ANTENNA TERMINALS*2	NTNV	Conf. No. 9, Conf. No. 11, Conf. No. 13, Conf. No. 15	TM3.1 TM3.1a	CH24*1 CH3*1
6	SPURIOUS EMISSIONS AT ANTENNA TERMINALS – BAND EDGE*2	NTNV	Conf. No. 1, Conf. No. 2, Conf. No. 3, Conf. No. 4, Conf. No. 5, Conf. No. 11, Conf. No. 12, Conf. No. 13, Conf. No. 14, Conf. No. 15	TM1.1, TM3.1, TM3.1a	CH24*1 &CH3*1
8	FIELD STRENGTH OF SPURIOUS RADIATION*3	--	--	--	--
8	FREQUENCY STABILITY	NTNV, HTHV, LTHV, HTLV, LTHV	Conf. No. 1, Conf. No. 2, Conf. No. 3, Conf. No. 4, Conf. No. 5	TM3.1, TM3.1a	CH24*1 &CH3*1

*1 - CH24 (SCS 30KHz) & CH3 (SCS 60KHz) were selected as the worst case.

*2 - Only Bottom & Top Frequency is accounted for these cases.

*3 - Testing for FIELD STRENGTH OF SPURIOUS RADIATION are recorded in Appendix B

PART 3
TEST RESULTS

Test Item 1
RF POWER OUTPUT (POWER DENSITY)

4 Result Table

Test Item	Test Environment	EUT Config.	Measured CH	Test Model	Result	Test Model	Result
RF POWER OUTPUT (POWER DENSITY)	NTNV	Conf. No. 1	All CH	TM1.1	Pass	TM3.1, TM3.1a	Pass
		Conf. No. 5			Pass		Pass
		Conf. No. 2	CH24*1 &CH3*1		Pass		Pass
		Conf. No. 3			Pass		Pass
		Conf. No. 4			Pass		Pass
		Conf. No. 6			Pass		Pass
		Conf. No. 7			Pass		Pass
		Conf. No. 8			Pass		Pass
		Conf. No. 9			Pass		Pass
		Conf. No. 10			Pass		Pass

Note:

- *1 - CH24 (SCS 30KHz) & CH3 (SCS 30KHz&60KHz) were selected as the worst case.
- Duty Cycle Factor (as declared 75% used) and measurement system path loss are accounted for the results.

5 Test Records

5.1 Table Configuration 1

CH	BW [MHz]	TM1.1			TM3.1		
		Bottom	Middle	Top	Bottom	Middle	Top
		PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]
0	20	15.34	15.46	15.27	15.00	15.59	15.20
1	20	15.09	15.13	15.49	14.95	14.81	15.20
2	20	15.20	15.43	15.38	14.85	15.28	15.45
3	20	15.05	15.56	15.44	14.79	15.55	15.53
4	20	15.18	15.36	15.11	14.85	15.22	15.24
5	20	15.54	14.98	14.61	15.38	14.91	14.72
6	20	15.59	15.60	15.51	14.91	15.60	15.58
7	20	15.42	15.56	15.61	15.15	15.41	15.69
8	20	15.22	15.31	15.38	14.88	15.07	15.59
9	20	15.10	15.28	15.12	14.90	15.64	14.25
10	20	15.23	15.43	15.29	14.92	15.34	15.49
11	20	14.84	15.21	15.34	14.64	15.74	15.42
12	20	14.96	15.20	15.02	14.62	15.67	15.13
13	20	15.05	15.14	14.95	14.85	15.63	15.10
14	20	14.89	15.20	15.10	14.67	15.63	14.20
15	20	15.45	15.28	15.44	15.25	15.41	15.53
16	20	14.83	15.71	15.63	15.57	15.15	15.06
17	20	15.06	15.01	14.89	15.13	15.31	15.08
18	20	15.05	14.91	15.06	15.76	15.43	15.26
19	20	15.05	15.02	14.98	15.19	15.31	15.14
20	20	15.61	15.15	15.49	15.39	15.14	15.63
21	20	15.08	15.56	15.67	15.12	14.83	15.70
22	20	15.02	15.03	15.05	15.02	15.28	14.97
23	20	15.49	15.15	15.51	15.17	15.08	15.56
24	20	15.74	15.79	15.64	15.70	15.77	15.73
25	20	15.02	15.14	15.20	15.79	15.18	15.28
26	20	15.14	15.16	15.14	14.93	15.40	14.25
27	20	15.42	15.71	15.71	15.21	15.21	15.79
28	20	15.63	15.47	15.35	15.38	15.77	15.47
29	20	15.52	15.18	15.41	15.29	15.20	15.47
30	20	15.43	15.69	15.41	15.22	15.04	15.52
31	20	15.36	14.94	15.53	15.16	15.31	15.58
32	20	15.49	15.51	15.24	15.29	15.03	15.35
33	20	15.59	15.73	15.32	15.37	15.01	15.37
34	20	15.39	15.54	15.54	15.20	15.61	15.65
35	20	15.59	15.64	15.18	15.38	15.64	15.27
36	20	15.57	15.76	15.48	15.36	15.05	15.57
37	20	15.78	15.04	15.71	15.59	15.16	15.18
38	20	15.05	15.04	15.25	15.12	15.05	15.29
39	20	15.71	15.72	15.36	15.27	15.01	15.30

40	20	14.99	15.47	14.99	14.81	15.56	15.05
41	20	15.11	15.12	14.32	15.36	15.52	14.33
42	20	15.44	15.31	15.22	15.14	15.73	15.26
43	20	15.36	15.20	14.89	15.10	15.48	15.15
44	20	15.47	15.48	15.36	15.31	14.92	15.40
45	20	15.29	15.56	15.36	15.17	14.82	15.36
46	20	15.42	15.60	15.23	15.20	14.70	15.29
47	20	15.55	15.73	15.01	15.44	15.75	14.98
48	20	15.54	15.68	15.64	15.55	14.92	15.60
49	20	15.18	15.73	15.52	15.62	14.93	15.46
50	20	15.65	15.79	15.56	15.55	14.96	15.55
51	20	15.78	15.07	15.59	15.69	14.84	15.47
52	20	15.37	15.67	15.48	15.40	14.86	15.35
53	20	15.40	15.74	15.31	15.35	15.23	15.25
54	20	15.45	15.70	15.42	15.27	15.17	15.33
55	20	15.74	15.66	15.48	15.61	15.13	15.39
56	20	15.05	15.07	14.90	14.93	15.21	14.79
57	20	14.96	15.20	14.89	14.86	15.35	14.92
58	20	15.07	15.30	15.11	14.88	15.48	15.13
59	20	15.07	15.24	15.18	14.91	15.40	15.17
60	20	15.28	15.05	14.62	15.21	15.15	14.55
61	20	15.06	15.09	14.76	14.98	15.29	14.79
62	20	14.86	15.01	14.70	14.86	15.14	14.62
63	20	15.22	15.34	15.05	15.09	15.52	15.00
Total Power [dBm/MHz]		33.37	33.44	33.33	33.25	33.34	33.31
Antenna Gain [dBi]		24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		58.17	58.24	58.13	58.05	58.14	58.11
Limit [W/MHz]		1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]		3.98	3.91	4.02	4.10	4.00	4.04

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.2 Table Configuration 5

CH	BW [MHz]	TM1.1			TM3.1		
		Bottom	Middle	Top	Bottom	Middle	Top
		PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]
0	100	15.46	15.44	15.05	15.15	15.56	14.92
1	100	14.80	14.28	15.50	14.95	15.23	14.98
2	100	15.32	15.28	14.93	14.97	15.26	14.92
3	100	15.38	15.38	15.06	15.06	15.38	15.08
4	100	15.07	15.20	15.03	14.92	15.23	14.92
5	100	15.02	14.79	14.48	14.86	14.90	14.53
6	100	15.60	15.49	15.35	15.40	15.61	15.28
7	100	15.34	15.36	15.23	15.11	15.41	15.23
8	100	15.22	14.89	14.91	15.01	14.88	14.91
9	100	15.23	15.40	14.81	14.94	15.36	14.87
10	100	15.16	15.23	14.94	15.03	15.20	14.98
11	100	15.16	15.38	14.99	14.87	15.43	15.06
12	100	15.21	15.51	14.99	14.93	15.38	15.02
13	100	15.08	15.37	14.66	14.75	15.26	14.59
14	100	15.19	15.40	14.81	14.91	15.32	14.85
15	100	15.42	15.34	15.35	15.26	15.30	15.37
16	100	15.03	15.02	15.50	15.78	15.03	15.58
17	100	15.08	15.07	15.76	15.11	14.98	15.78
18	100	15.09	15.17	15.07	15.72	15.14	15.09
19	100	15.17	15.14	15.08	15.78	15.13	14.97
20	100	15.27	14.93	15.39	15.55	14.90	15.38
21	100	15.72	15.56	15.32	15.41	15.54	15.42
22	100	15.01	15.01	15.57	15.72	14.97	15.56
23	100	15.65	14.99	15.40	15.35	15.09	15.46
24	100	15.72	15.79	15.66	15.77	15.80	15.71
25	100	15.13	15.07	15.76	15.74	15.01	15.71
26	100	15.29	15.48	14.78	15.12	15.45	14.84
27	100	15.10	15.03	15.40	15.12	15.04	15.48
28	100	15.61	15.63	15.45	15.40	15.53	15.52
29	100	15.69	15.05	15.27	15.45	14.98	15.33
30	100	15.66	15.09	15.31	15.48	14.82	15.37
31	100	15.42	15.14	15.50	15.75	15.03	15.55
32	100	15.41	15.63	14.93	15.33	15.50	15.04
33	100	15.72	15.06	15.32	15.43	15.80	15.29
34	100	15.35	15.64	15.35	15.23	15.56	15.30
35	100	15.60	15.65	15.29	15.37	15.54	15.28
36	100	15.60	15.17	15.32	15.34	15.68	15.33
37	100	15.71	15.03	15.26	15.45	15.66	15.29
38	100	15.20	15.33	15.55	15.11	15.25	15.53
39	100	15.53	15.56	15.07	15.18	15.24	15.10
40	100	15.20	15.27	14.98	14.98	15.07	15.03
41	100	15.48	15.24	15.12	14.95	15.45	15.25

42	100	15.46	15.52	14.86	15.23	15.29	14.86
43	100	15.20	15.32	15.20	15.05	15.13	15.13
44	100	15.35	15.61	15.06	15.05	15.49	15.05
45	100	15.54	15.72	15.21	15.26	15.51	15.12
46	100	15.39	15.74	15.08	15.12	15.52	15.08
47	100	15.44	15.63	15.20	15.27	15.53	15.13
48	100	15.46	15.68	15.21	15.17	15.50	15.08
49	100	15.56	15.70	15.15	15.34	15.56	15.09
50	100	15.65	15.75	15.37	15.36	15.67	15.29
51	100	15.64	15.08	15.21	15.29	15.62	15.20
52	100	15.62	15.68	15.11	15.33	15.42	15.07
53	100	15.51	15.10	15.44	15.26	15.48	15.41
54	100	15.19	15.02	15.31	14.87	15.66	15.22
55	100	15.51	15.75	15.29	15.31	15.51	15.21
56	100	14.94	15.18	14.71	14.63	14.96	14.71
57	100	15.10	15.43	14.89	14.79	15.20	14.84
58	100	15.15	15.21	14.78	14.83	15.14	14.81
59	100	15.11	15.32	14.80	14.84	15.25	14.80
60	100	14.75	15.18	14.62	14.49	15.02	14.61
61	100	14.89	15.25	14.77	14.70	15.08	14.76
62	100	14.91	15.42	14.76	14.71	15.33	14.71
63	100	15.09	15.26	14.85	14.85	15.09	14.84
Total Power [dBm/MHz]		33.39	33.38	33.22	33.25	33.38	33.21
Antenna Gain [dBi]		24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		58.19	58.18	58.02	58.05	58.18	58.01
Limit [W/MHz]		1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]		3.96	3.96	4.13	4.10	3.97	4.14

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIPR [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.3 Table Configuration 2

Configuration 2	TM1.1			TM3.1		
	Bottom	Middle	Top	Bottom	Middle	Top
Measured Output Power [dBm/MHz]	16.34	15.59	15.31	15.21	15.37	15.08
Total Power [dBm/MHz]	33.49	33.65	33.37	33.27	33.43	33.14
Antenna Gain [dBi]	24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]	58.29	58.45	58.17	58.07	58.23	57.94
Limit [W/MHz]	1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]	62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]	3.86	3.70	3.98	4.08	3.92	4.21

Note:

Total Power [dBm/MHz] = Measured Output Power [dBm/MHz] (CH 24, worst case) + $10\log(N_{\text{ANT}} = 64)$

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.4 Table Configuration 3

Configuration 3	TM1.1			TM3.1		
	Bottom	Middle	Top	Bottom	Middle	Top
Measured Output Power [dBm/MHz]	15.46	15.61	15.48	15.19	15.44	15.22
Total Power [dBm/MHz]	33.52	33.67	33.54	33.25	33.50	33.28
Antenna Gain [dBi]	24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]	58.32	58.47	58.34	58.05	58.30	58.08
Limit [W/MHz]	1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]	62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]	3.83	3.68	3.81	4.10	3.85	4.07

Note:

Total Power [dBm/MHz] = Measured Output Power [dBm/MHz] (CH 24, worst case) + $10\log(N_{\text{ANT}} = 64)$

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.5 Table Configuration 4

Configuration 4	TM1.1			TM3.1		
	Bottom	Middle	Top	Bottom	Middle	Top
Measured Output Power [dBm/MHz]	15.50	15.89	15.60	15.24	15.72	15.34
Total Power [dBm/MHz]	33.56	33.95	33.66	33.30	33.78	33.40
Antenna Gain [dBi]	24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]	58.36	58.75	58.46	58.10	58.58	58.20
Limit [W/MHz]	1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]	62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]	3.79	3.40	3.69	4.05	3.57	3.95

Note:

Total Power [dBm/MHz] = Measured Output Power [dBm/MHz] (CH 24, worst case) + $10\log(N_{\text{ANT}} = 64)$

EIPR [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.6 Table Configuration 6

Configuration 6	TM1.1						TM3.1					
	Bottom		Middle		Top		Bottom		Middle		Top	
	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]
Measured Output Power [dBm/MHz]	15.69	15.89	15.85	15.76	15.89	15.73	15.07	15.42	15.20	15.21	15.44	15.20
Total Power [dBm/MHz]	33.75	33.95	33.91	33.82	33.95	33.79	33.13	33.48	33.26	33.27	33.50	33.26
Antenna Gain [dBi]	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]	58.55	58.75	58.71	58.62	58.75	58.59	57.93	58.28	58.06	58.07	58.30	58.06
Limit [W/MHz]	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]	3.60	3.40	3.44	3.53	3.40	3.56	4.22	3.87	4.09	4.08	3.85	4.09

Note:

Total Power [dBm/MHz] = Measured Output Power [dBm/MHz] (CH 24, worst case) + $10\log(N_{\text{ANT}} = 64)$

EIPR [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.7 Table Configuration 7

Configuration 7	TM1.1						TM3.1					
	Bottom		Middle		Top		Bottom		Middle		Top	
	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]
Measured Output Power [dBm/MHz]	15.85	15.87	15.90	15.86	15.90	15.86	15.53	15.42	15.54	15.53	15.58	15.51
Total Power [dBm/MHz]	33.91	33.93	33.96	33.92	33.96	33.92	33.59	33.48	33.60	33.59	33.64	33.57
Antenna Gain [dBi]	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]	58.71	58.73	58.76	58.72	58.76	58.72	58.39	58.28	58.40	58.39	58.44	58.37
Limit [W/MHz]	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]	3.44	3.42	3.39	3.43	3.39	3.43	3.76	3.87	3.75	3.76	3.71	3.78

Note:

Total Power [dBm/MHz] = Measured Output Power [dBm/MHz] (CH 24, worst case) + $10\log(N_{\text{ANT}} = 64)$

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.8 Table Configuration 8

Configuration 8	TM1.1						TM3.1					
	Bottom		Middle		Top		Bottom		Middle		Top	
	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]
Measured Output Power [dBm/MHz]	16.02	15.90	15.80	15.70	15.74	15.83	15.54	15.47	15.41	15.55	15.56	15.63
Total Power [dBm/MHz]	34.08	33.96	33.86	33.76	33.80	33.89	33.60	33.53	33.47	33.61	33.62	33.69
Antenna Gain [dBi]	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]	58.88	58.76	58.66	58.56	58.60	58.69	58.40	58.33	58.27	58.41	58.42	58.49
Limit [W/MHz]	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]	3.27	3.39	3.49	3.59	3.55	3.46	3.75	3.82	3.88	3.74	3.73	3.66

Note:

Total Power [dBm/MHz] = Measured Output Power [dBm/MHz] (CH 24, worst case) + $10\log(N_{\text{ANT}} = 64)$

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.9 Table Configuration 9

Configuration 9	TM1.1						TM3.1					
	Bottom		Middle		Top		Bottom		Middle		Top	
	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]
Measured Output Power [dBm/MHz]	15.23	15.45	15.16	14.78	14.84	14.99	14.92	15.25	14.90	14.66	14.34	14.61
Total Power [dBm/MHz]	33.29	33.51	33.22	32.84	32.90	33.05	32.98	33.31	32.96	32.72	32.40	32.67
Antenna Gain [dBi]	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]	58.09	58.31	58.02	57.64	57.70	57.85	57.78	58.11	57.76	57.52	57.20	57.47
Limit [W/MHz]	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]	4.06	3.84	4.13	4.51	4.45	4.30	4.37	4.04	4.39	4.63	4.95	4.68

Note:

Total Power [dBm/MHz] = Measured Output Power [dBm/MHz] (CH 24, worst case) + $10\log(N_{\text{ANT}} = 64)$

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.10 Table Configuration 10

Configuration 10	TM1.1						TM3.1					
	Bottom		Middle		Top		Bottom		Middle		Top	
	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]	PSD1 [dBm/ MHz]	PSD2 [dBm/ MHz]
Measured Output Power [dBm/MHz]	14.29	14.03	14.08	13.94	14.39	14.02	13.95	13.82	13.75	13.81	14.25	13.89
Total Power [dBm/MHz]	32.35	32.09	32.14	32.00	32.45	32.08	32.01	31.88	31.81	31.87	32.31	31.95
Antenna Gain [dBi]	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]	57.15	56.89	56.94	56.80	57.25	56.88	56.81	56.68	56.61	56.67	57.11	56.75
Limit [W/MHz]	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]	5.00	5.26	5.21	5.35	4.90	5.27	5.34	5.47	5.54	5.48	5.04	5.40

Note:

Total Power [dBm/MHz] = Measured Output Power [dBm/MHz] (CH 24, worst case) + $10\log(N_{\text{ANT}} = 64)$

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

Variant:

5.11 Table Configuration 1

CH	BW [MHz]	TM3.1a(SCS 30)			TM3.1a(SCS 60)		
		Bottom	Middle	Top	Bottom	Middle	Top
		PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]
0	20	15.25	14.50	15.01	15.28	14.50	15.01
1	20	15.32	14.32	14.87	15.29	14.31	14.85
2	20	15.29	14.47	14.99	15.28	14.50	14.94
3	20	16.14	15.33	15.27	16.15	15.33	15.27
4	20	15.49	14.84	15.13	15.56	14.81	15.19
5	20	15.34	14.57	14.87	15.25	14.51	14.89
6	20	15.15	14.55	14.65	15.24	14.43	14.70
7	20	15.30	14.28	14.74	15.28	14.34	14.75
8	20	15.22	14.71	15.18	15.35	14.70	15.16
9	20	15.30	14.55	14.93	15.46	14.52	15.00
10	20	15.26	14.61	14.93	15.28	14.73	14.81
11	20	15.43	14.61	14.98	15.65	14.63	15.00
12	20	15.13	14.45	14.79	15.13	14.41	14.75
13	20	15.03	14.41	14.76	14.97	14.38	14.70
14	20	15.09	14.48	14.89	15.21	14.55	14.79
15	20	15.29	14.54	15.00	15.31	14.53	14.94
16	20	14.95	14.44	14.61	14.92	14.36	14.59
17	20	15.22	14.37	14.65	15.12	14.40	14.61
18	20	14.87	14.05	14.42	14.82	14.12	14.36
19	20	15.18	14.49	14.74	15.13	14.54	14.80
20	20	15.02	14.39	14.62	15.01	14.50	14.56
21	20	15.28	14.43	14.60	15.22	14.42	14.55
22	20	14.99	14.32	14.62	15.00	14.34	14.64
23	20	15.15	14.42	14.78	15.22	14.47	14.78
24	20	15.16	14.41	14.83	15.11	14.43	14.74
25	20	15.11	14.33	14.61	15.04	14.35	14.57
26	20	15.01	14.36	14.68	15.12	14.39	14.69
27	20	14.92	14.41	14.94	14.93	14.45	14.87
28	20	14.98	14.39	14.75	14.95	14.42	14.68
29	20	14.96	14.48	14.68	15.01	14.42	14.57
30	20	15.01	14.41	14.80	15.12	14.47	14.88
31	20	15.08	14.45	14.74	15.03	14.42	14.67
32	20	14.98	14.19	14.63	14.85	14.19	14.53
33	20	15.00	14.39	14.65	14.96	14.40	14.52
34	20	14.95	14.49	14.55	14.79	14.44	14.47
35	20	15.01	14.23	14.51	14.85	14.27	14.41
36	20	15.05	14.11	14.36	14.87	14.05	14.30
37	20	15.03	14.18	14.51	14.86	14.14	14.49
38	20	15.13	14.29	14.57	15.00	14.27	14.74
39	20	15.32	14.52	14.63	15.37	14.44	14.65

40	20	14.96	14.16	14.54	14.88	14.11	14.50
41	20	15.11	14.30	14.78	15.06	14.30	14.65
42	20	15.11	14.32	14.58	15.03	14.32	14.59
43	20	15.06	14.33	14.75	15.03	14.33	14.62
44	20	15.06	14.32	14.43	14.94	14.33	14.36
45	20	14.97	14.28	14.61	14.88	14.17	14.52
46	20	14.98	14.30	14.78	14.88	14.30	14.59
47	20	15.17	14.49	14.86	15.15	14.43	14.85
48	20	15.01	14.22	14.78	14.81	14.18	14.76
49	20	15.03	14.33	14.55	14.93	14.42	14.52
50	20	14.97	14.41	14.66	14.96	14.40	14.72
51	20	14.93	14.15	14.62	14.77	14.21	14.54
52	20	15.05	14.28	14.61	14.90	14.31	14.51
53	20	15.00	14.30	14.44	14.87	14.27	14.37
54	20	15.09	14.22	14.64	14.82	14.30	14.60
55	20	15.11	14.34	14.60	14.89	14.33	14.58
56	20	15.23	14.46	14.68	15.07	14.48	14.61
57	20	15.10	14.35	14.69	14.94	14.37	14.65
58	20	15.29	14.79	15.30	15.20	14.80	15.30
59	20	15.17	14.42	14.60	14.94	14.47	14.49
60	20	15.04	14.50	14.64	14.94	14.55	14.55
61	20	15.01	14.38	14.75	14.94	14.45	14.66
62	20	15.00	14.48	14.61	14.88	14.38	14.58
63	20	15.12	14.31	14.69	14.97	14.34	14.65
Total Power [dBm/MHz]		33.19	32.48	32.79	33.14	32.48	32.76
Antenna Gain [dBi]		24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		57.99	57.28	57.59	57.94	57.28	57.56
Limit [W/MHz]		1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]		4.16	4.87	4.56	4.21	4.87	4.59

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.12 Table Configuration 2

CH	BW [MHz]	TM3.1a (SCS 30)			TM3.1a (SCS 60)		
		Bottom	Middle	Top	Bottom	Middle	Top
		PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]
0	40	15.24	14.63	15.15	15.31	14.66	14.97
1	40	15.20	14.59	14.94	15.24	14.45	14.75
2	40	15.35	14.72	14.99	15.28	14.64	14.78
3	40	16.34	15.36	15.43	16.29	15.42	15.29
4	40	15.63	14.99	15.26	15.58	15.00	15.11
5	40	15.25	14.74	14.98	15.14	14.60	14.71
6	40	15.22	14.60	14.79	15.23	14.54	14.59
7	40	15.28	14.51	14.99	15.15	14.39	14.75
8	40	15.43	14.87	15.22	15.43	14.90	14.98
9	40	15.54	14.81	15.15	15.47	14.72	14.88
10	40	15.35	14.89	15.06	15.36	14.83	14.87
11	40	15.57	14.87	15.27	15.46	14.79	15.05
12	40	15.15	14.68	14.93	15.08	14.56	14.65
13	40	15.07	14.50	14.82	15.05	14.36	14.61
14	40	15.45	14.68	14.92	15.37	14.58	14.64
15	40	15.46	14.67	15.16	15.33	14.56	14.97
16	40	15.13	14.58	14.74	15.09	14.49	14.53
17	40	15.26	14.48	14.87	15.13	14.36	14.59
18	40	15.03	14.13	14.43	14.95	14.08	14.19
19	40	15.19	14.62	14.74	15.12	14.53	14.57
20	40	15.23	14.52	14.79	15.21	14.43	14.51
21	40	15.21	14.53	14.87	15.09	14.35	14.57
22	40	15.31	14.44	14.77	15.32	14.26	14.62
23	40	15.25	14.68	14.87	15.19	14.64	14.71
24	40	15.47	14.52	14.82	15.33	14.40	14.49
25	40	15.09	14.56	14.71	14.97	14.34	14.42
26	40	15.25	14.50	14.85	15.22	14.43	14.65
27	40	15.14	14.59	15.07	15.09	14.42	14.77
28	40	15.19	14.56	14.80	15.13	14.44	14.51
29	40	15.22	14.54	14.77	15.04	14.41	14.44
30	40	15.18	14.60	14.88	15.10	14.46	14.73
31	40	15.10	14.53	14.78	15.09	14.40	14.59
32	40	15.01	14.37	14.57	14.87	14.15	14.31
33	40	15.14	14.41	14.58	15.10	14.34	14.37
34	40	14.95	14.54	14.60	14.82	14.39	14.38
35	40	15.02	14.30	14.62	14.98	14.12	14.32
36	40	14.94	14.14	14.48	14.89	14.10	14.28
37	40	14.99	14.18	14.54	14.98	14.08	14.43
38	40	15.18	14.44	14.74	15.23	14.45	14.72
39	40	15.27	14.56	14.64	15.25	14.35	14.46
40	40	15.05	14.21	14.50	15.03	14.11	14.24
41	40	15.17	14.46	14.80	15.11	14.33	14.56

42	40	14.98	14.34	14.65	14.99	14.17	14.49
43	40	15.16	14.39	14.61	15.04	14.27	14.32
44	40	15.16	14.44	14.63	15.00	14.29	14.36
45	40	15.05	14.41	14.57	15.02	14.23	14.32
46	40	15.08	14.46	14.60	14.95	14.18	14.35
47	40	15.15	14.55	14.85	15.07	14.47	14.79
48	40	14.92	14.20	14.65	14.95	14.15	14.42
49	40	15.18	14.45	14.77	15.19	14.28	14.49
50	40	15.19	14.47	14.49	15.12	14.33	14.29
51	40	14.98	14.29	14.58	14.92	14.20	14.35
52	40	15.15	14.33	14.55	15.06	14.20	14.33
53	40	15.08	14.33	14.63	14.94	14.13	14.45
54	40	15.13	14.39	14.59	15.03	14.22	14.32
55	40	15.08	14.41	14.65	15.02	14.17	14.46
56	40	15.21	14.49	14.58	15.08	14.31	14.35
57	40	15.03	14.54	14.65	14.86	14.35	14.39
58	40	15.48	14.78	15.23	15.31	14.68	15.05
59	40	15.21	14.44	14.61	15.08	14.33	14.35
60	40	15.19	14.63	14.73	14.96	14.34	14.44
61	40	15.22	14.55	14.73	15.01	14.36	14.45
62	40	15.17	14.61	14.59	14.97	14.30	14.37
63	40	15.13	14.45	14.61	14.97	14.23	14.37
Total Power [dBm/MHz]		33.28	32.6	32.86	33.25	32.47	32.63
Antenna Gain [dBi]		24.8	24.8	24.8	33.2	24.8	24.8
EIRP [dBm/MHz]		58.08	57.40	57.66	58.00	57.27	57.43
Limit [W/MHz]		1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]		4.07	4.75	4.49	4.15	4.88	4.72

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.13 Table Configuration 3

CH	BW [MHz]	TM3.1a (SCS 30)			TM3.1a (SCS 60)		
		Bottom	Middle	Top	Bottom	Middle	Top
		PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]
0	60	15.16	14.71	15.18	15.07	14.53	14.98
1	60	15.25	14.63	15.00	15.12	14.37	14.76
2	60	15.07	14.71	15.08	15.08	14.53	14.89
3	60	16.15	15.49	15.59	16.10	15.34	15.35
4	60	15.49	15.07	15.43	15.44	14.88	15.11
5	60	15.15	14.74	15.07	15.04	14.60	14.86
6	60	15.20	14.64	15.07	15.11	14.51	14.85
7	60	15.13	14.52	14.95	15.02	14.35	14.78
8	60	15.40	14.95	15.20	15.38	14.63	14.96
9	60	15.35	14.79	15.25	15.29	14.58	14.93
10	60	15.23	14.92	15.21	15.19	14.75	14.95
11	60	15.48	14.92	15.23	15.33	14.70	14.99
12	60	15.10	14.67	15.00	15.00	14.41	14.69
13	60	15.10	14.58	14.95	14.97	14.29	14.64
14	60	15.29	14.74	15.14	15.15	14.58	14.95
15	60	15.32	14.79	15.19	15.23	14.53	14.96
16	60	15.06	14.66	14.89	14.94	14.34	14.56
17	60	14.82	14.54	15.01	14.77	14.33	14.68
18	60	14.83	14.29	14.48	14.71	14.05	14.23
19	60	15.06	14.73	15.02	15.00	14.49	14.71
20	60	14.90	14.59	15.00	14.85	14.34	14.68
21	60	15.08	14.59	14.97	14.94	14.38	14.62
22	60	15.07	14.47	14.91	14.96	14.21	14.66
23	60	15.08	14.68	15.06	15.02	14.45	14.84
24	60	15.20	14.61	14.95	15.01	14.34	14.71
25	60	15.01	14.59	14.97	14.89	14.24	14.68
26	60	15.09	14.59	14.91	14.93	14.35	14.72
27	60	15.01	14.68	15.14	14.87	14.41	14.86
28	60	15.02	14.61	15.03	14.94	14.32	14.79
29	60	15.10	14.68	14.85	14.91	14.43	14.58
30	60	15.11	14.69	14.98	15.08	14.41	14.69
31	60	15.06	14.61	15.00	14.95	14.35	14.73
32	60	14.83	14.46	14.67	14.71	14.07	14.41
33	60	14.72	14.52	14.70	14.69	14.30	14.48
34	60	14.86	14.52	14.77	14.70	14.35	14.46
35	60	14.86	14.42	14.73	14.80	14.27	14.55
36	60	14.77	14.29	14.56	14.72	14.09	14.36
37	60	14.58	14.28	14.65	14.54	14.09	14.46
38	60	14.80	14.47	14.92	14.73	14.27	14.51
39	60	15.06	14.58	14.77	15.00	14.40	14.69
40	60	14.82	14.32	14.60	14.82	14.19	14.45
41	60	14.98	14.55	14.69	14.85	14.37	14.48

42	60	14.88	14.48	14.79	14.75	14.24	14.68
43	60	14.88	14.53	14.69	14.79	14.31	14.59
44	60	14.85	14.44	14.64	14.78	14.34	14.43
45	60	14.93	14.39	14.62	14.76	14.30	14.49
46	60	15.00	14.40	14.73	14.92	14.19	14.50
47	60	15.07	14.66	14.97	14.93	14.50	14.77
48	60	14.85	14.37	14.66	14.86	14.18	14.45
49	60	14.96	14.56	14.60	14.87	14.31	14.34
50	60	14.95	14.52	14.64	14.93	14.30	14.41
51	60	14.72	14.47	14.63	14.70	14.14	14.37
52	60	14.77	14.46	14.59	14.70	14.25	14.40
53	60	14.76	14.48	14.76	14.60	14.26	14.60
54	60	14.72	14.44	14.66	14.70	14.21	14.38
55	60	14.74	14.51	14.77	14.72	14.28	14.48
56	60	15.06	14.64	14.75	15.00	14.36	14.50
57	60	14.94	14.71	14.80	14.86	14.42	14.61
58	60	15.22	14.96	15.42	15.03	14.72	15.20
59	60	14.99	14.60	14.83	14.93	14.36	14.53
60	60	14.98	14.76	14.94	14.84	14.50	14.62
61	60	15.20	14.73	14.83	15.02	14.41	14.61
62	60	15.00	14.72	14.92	14.88	14.36	14.49
63	60	15.00	14.66	14.86	14.78	14.32	14.55
Total Power [dBm/MHz]		33.10	32.68	32.86	33.01	32.45	32.63
Antenna Gain [dBi]		24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		57.90	57.48	57.66	57.81	57.25	57.43
Limit [W/MHz]		1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]		4.25	4.67	4.49	4.34	4.90	4.72

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.14 Table Configuration 4

CH	BW [MHz]	TM3.1a(SCS 30)			TM3.1a(SCS 60)		
		Bottom	Middle	Top	Bottom	Middle	Top
		PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]
0	80	15.24	14.79	15.16	14.87	14.61	15.10
1	80	15.00	14.74	15.01	14.70	14.46	14.90
2	80	15.09	14.85	15.25	14.84	14.62	14.99
3	80	15.98	15.60	15.58	15.72	15.35	15.48
4	80	15.34	15.18	15.43	15.09	14.97	15.35
5	80	15.12	14.94	15.24	14.90	14.65	15.06
6	80	15.12	14.82	15.07	14.89	14.66	14.98
7	80	15.07	14.63	15.09	14.80	14.47	14.96
8	80	15.24	15.02	15.32	15.04	14.82	15.22
9	80	15.39	15.05	15.39	15.17	14.78	15.20
10	80	15.28	15.10	15.23	14.94	14.94	15.11
11	80	15.38	15.10	15.22	15.08	14.86	15.10
12	80	15.01	14.84	15.17	14.79	14.61	15.02
13	80	14.96	14.73	14.98	14.75	14.56	14.82
14	80	15.26	14.89	15.19	14.96	14.71	15.08
15	80	15.29	14.86	15.33	15.09	14.70	15.15
16	80	14.93	14.76	14.86	14.74	14.52	14.82
17	80	14.97	14.71	14.84	14.78	14.47	14.72
18	80	14.66	14.38	14.50	14.48	14.13	14.40
19	80	15.06	14.78	14.92	14.85	14.56	14.78
20	80	14.85	14.72	14.88	14.71	14.56	14.80
21	80	14.99	14.67	14.84	14.86	14.50	14.78
22	80	14.85	14.60	14.80	14.69	14.44	14.72
23	80	15.02	14.76	15.02	14.85	14.56	14.96
24	80	15.03	14.72	14.98	14.83	14.62	14.90
25	80	14.74	14.69	14.87	14.67	14.50	14.83
26	80	15.01	14.79	14.98	14.87	14.66	14.88
27	80	14.86	14.80	15.19	14.72	14.58	15.09
28	80	14.81	14.70	14.88	14.59	14.47	14.86
29	80	14.95	14.70	14.78	14.72	14.57	14.68
30	80	14.88	14.70	14.94	14.65	14.59	14.84
31	80	14.92	14.69	14.91	14.71	14.54	14.77
32	80	14.70	14.34	14.83	14.52	14.18	14.77
33	80	14.80	14.55	14.62	14.52	14.45	14.43
34	80	14.72	14.57	14.68	14.54	14.39	14.53
35	80	14.88	14.42	14.69	14.65	14.33	14.66
36	80	14.60	14.25	14.38	14.41	14.11	14.33
37	80	14.71	14.22	14.53	14.45	14.03	14.41
38	80	14.89	14.65	15.01	14.54	14.43	14.69
39	80	15.04	14.62	14.88	14.91	14.44	14.79
40	80	14.66	14.34	14.59	14.47	14.27	14.51
41	80	14.83	14.64	14.73	14.67	14.37	14.70

42	80	14.78	14.49	14.81	14.62	14.31	14.80
43	80	14.73	14.63	14.66	14.55	14.47	14.66
44	80	14.68	14.52	14.64	14.49	14.33	14.61
45	80	14.58	14.54	14.72	14.65	14.25	14.63
46	80	14.49	14.41	14.66	14.52	14.23	14.69
47	80	14.73	14.77	14.86	14.88	14.57	14.81
48	80	14.51	14.43	14.68	14.50	14.20	14.60
49	80	14.59	14.61	14.67	14.63	14.31	14.62
50	80	14.68	14.54	14.63	14.64	14.31	14.54
51	80	14.52	14.41	14.56	14.49	14.21	14.51
52	80	14.64	14.52	14.64	14.52	14.29	14.56
53	80	14.48	14.44	14.68	14.44	14.17	14.63
54	80	14.58	14.53	14.47	14.49	14.29	14.36
55	80	14.56	14.47	14.65	14.58	14.24	14.57
56	80	14.63	14.67	14.86	14.68	14.46	14.82
57	80	14.77	14.73	14.69	14.71	14.53	14.64
58	80	14.93	14.92	15.35	15.01	14.74	15.26
59	80	14.64	14.63	14.62	14.69	14.49	14.58
60	80	14.63	14.76	14.90	14.68	14.46	14.83
61	80	14.74	14.64	14.89	14.75	14.42	14.80
62	80	14.70	14.60	14.63	14.67	14.40	14.59
63	80	14.76	14.57	14.72	14.75	14.36	14.59
Total Power [dBm/MHz]		32.95	32.75	32.96	32.80	32.55	32.86
Antenna Gain [dBi]		24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		57.75	57.55	57.76	57.60	57.35	57.66
Limit [W/MHz]		1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]		4.40	4.60	4.39	4.55	4.80	4.49

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.15 Table Configuration 5

CH	BW [MHz]	TM3.1a (SCS 30)			TM3.1a (SCS 60)		
		Bottom	Middle	Top	Bottom	Middle	Top
		PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]	PSD [dBm/MHz]
0	100	14.81	14.74	15.21	14.95	14.86	15.19
1	100	14.75	14.62	14.95	14.81	14.71	14.91
2	100	14.98	14.75	15.17	15.05	14.86	15.23
3	100	15.73	15.56	15.60	15.77	15.52	15.54
4	100	15.20	15.20	15.24	15.27	15.20	15.23
5	100	14.91	14.91	15.10	14.97	14.83	15.03
6	100	14.84	14.82	14.97	14.83	14.74	14.99
7	100	14.83	14.69	15.05	14.81	14.66	15.12
8	100	15.13	15.00	15.14	15.08	15.01	15.23
9	100	15.08	14.97	15.32	15.10	14.95	15.31
10	100	15.08	15.12	15.21	15.07	15.05	15.14
11	100	15.23	15.09	15.25	15.28	15.09	15.27
12	100	14.85	14.86	15.04	14.83	14.80	15.07
13	100	14.85	14.77	14.90	14.76	14.67	14.79
14	100	14.88	14.92	15.08	14.97	14.95	15.09
15	100	15.09	14.89	15.23	15.00	14.86	15.22
16	100	14.77	14.77	14.74	14.70	14.74	14.75
17	100	14.84	14.68	14.78	14.72	14.55	14.73
18	100	14.44	14.31	14.39	14.40	14.29	14.41
19	100	14.82	14.82	14.81	14.75	14.77	14.79
20	100	14.83	14.72	14.86	14.74	14.69	14.86
21	100	14.84	14.77	14.83	14.80	14.66	14.88
22	100	14.85	14.56	14.82	14.82	14.54	14.87
23	100	14.90	14.77	15.12	14.85	14.81	15.12
24	100	14.90	14.76	14.94	14.83	14.77	14.98
25	100	14.74	14.71	14.94	14.74	14.67	15.00
26	100	14.74	14.74	14.89	14.90	14.77	14.93
27	100	14.51	14.76	15.16	14.68	14.74	15.23
28	100	14.38	14.70	14.72	14.60	14.65	14.82
29	100	14.71	14.77	14.80	14.76	14.66	14.83
30	100	14.58	14.70	14.88	14.72	14.72	14.91
31	100	14.78	14.72	14.82	14.86	14.66	14.85
32	100	14.53	14.43	14.68	14.61	14.40	14.68
33	100	14.51	14.58	14.51	14.49	14.52	14.52
34	100	14.39	14.62	14.46	14.44	14.52	14.47
35	100	14.51	14.52	14.62	14.62	14.46	14.69
36	100	14.41	14.26	14.41	14.45	14.25	14.38
37	100	14.47	14.29	14.44	14.45	14.23	14.39
38	100	14.75	14.67	14.84	14.66	14.46	14.65
39	100	14.90	14.61	14.73	14.83	14.57	14.75
40	100	14.52	14.35	14.53	14.56	14.30	14.52
41	100	14.62	14.63	14.76	14.64	14.59	14.76

42	100	14.71	14.52	14.63	14.69	14.51	14.73
43	100	14.53	14.56	14.66	14.58	14.56	14.69
44	100	14.56	14.63	14.56	14.51	14.59	14.61
45	100	14.60	14.40	14.55	14.59	14.35	14.53
46	100	14.57	14.35	14.67	14.54	14.31	14.69
47	100	14.72	14.67	14.78	14.78	14.66	14.88
48	100	14.70	14.43	14.71	14.71	14.35	14.63
49	100	14.53	14.60	14.61	14.47	14.44	14.49
50	100	14.72	14.53	14.56	14.62	14.41	14.56
51	100	14.68	14.36	14.57	14.66	14.35	14.54
52	100	14.64	14.47	14.49	14.63	14.43	14.55
53	100	14.66	14.50	14.67	14.59	14.40	14.64
54	100	14.59	14.44	14.53	14.57	14.34	14.45
55	100	14.65	14.45	14.55	14.61	14.41	14.56
56	100	14.74	14.64	14.78	14.77	14.55	14.80
57	100	14.80	14.69	14.72	14.72	14.66	14.83
58	100	15.05	14.94	15.23	15.09	14.88	15.24
59	100	14.81	14.65	14.61	14.74	14.57	14.62
60	100	14.73	14.70	14.74	14.66	14.65	14.68
61	100	14.79	14.69	14.79	14.68	14.60	14.77
62	100	14.80	14.64	14.65	14.72	14.58	14.69
63	100	14.87	14.60	14.66	14.77	14.54	14.62
Total Power [dBm/MHz]		32.83	32.75	32.89	32.83	32.71	32.90
Antenna Gain [dBi]		24.8	24.8	24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		57.63	57.55	57.69	57.63	57.51	57.70
Limit [W/MHz]		1640	1640	1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15	62.15	62.15
Margin [dB/MHz]		4.52	4.60	4.46	4.52	4.64	4.45

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.16 Table Configuration 6

CH	BW [MHz]	TM3.1a (SCS 30)		TM3.1a (SCS 60)	
		Middle		Middle	
		PSD1 [dBm/MHz]	PSD2 [dBm/MHz]	PSD1 [dBm/MHz]	PSD2 [dBm/MHz]
0	20	15.30	14.96	15.32	14.95
1	20	15.00	15.07	15.09	15.11
2	20	15.20	14.99	15.26	14.98
3	20	15.80	15.70	15.73	15.59
4	20	15.55	15.10	15.56	15.10
5	20	15.10	15.14	15.11	15.12
6	20	15.05	14.85	15.06	14.81
7	20	15.10	14.99	15.08	14.94
8	20	15.55	14.97	15.60	14.95
9	20	15.57	14.94	15.54	14.80
10	20	15.49	14.77	15.64	14.80
11	20	15.70	15.07	15.70	14.98
12	20	15.30	14.73	15.26	14.61
13	20	15.04	14.95	14.95	14.78
14	20	15.27	14.94	15.19	14.78
15	20	15.38	15.19	15.33	15.13
16	20	14.90	14.43	14.97	14.55
17	20	15.05	14.68	15.13	14.74
18	20	14.72	14.26	14.80	14.25
19	20	15.00	14.95	15.01	14.74
20	20	14.86	14.93	14.93	14.76
21	20	14.73	14.88	15.02	14.87
22	20	14.60	15.01	14.77	14.83
23	20	14.74	15.13	14.99	15.01
24	20	15.14	14.84	15.30	14.61
25	20	14.88	14.84	15.07	14.64
26	20	14.86	14.92	15.10	14.77
27	20	14.79	15.08	15.03	14.91
28	20	14.76	14.72	15.05	14.64
29	20	14.60	14.79	14.89	14.71
30	20	14.77	14.95	14.93	14.75
31	20	14.86	14.92	15.04	14.73
32	20	14.51	14.82	14.61	14.56
33	20	14.32	14.90	14.50	14.73
34	20	14.50	14.64	14.74	14.52
35	20	14.55	14.64	14.81	14.55
36	20	14.62	14.42	14.73	14.20
37	20	14.45	14.72	14.60	14.54
38	20	14.75	14.74	14.91	14.44
39	20	14.77	14.96	14.94	14.82
40	20	14.73	14.51	14.80	14.32
41	20	14.65	14.78	14.77	14.62

42	20	14.77	14.60	14.88	14.47
43	20	14.40	15.05	14.45	14.88
44	20	14.85	14.18	14.96	14.05
45	20	14.80	14.61	14.93	14.51
46	20	14.82	14.48	14.93	14.40
47	20	15.11	14.74	15.20	14.64
48	20	14.91	14.60	14.94	14.45
49	20	14.74	14.61	14.76	14.44
50	20	14.71	14.67	14.83	14.63
51	20	14.65	14.83	14.57	14.64
52	20	14.67	14.54	14.74	14.53
53	20	14.45	14.60	14.50	14.55
54	20	14.63	14.68	14.61	14.57
55	20	14.92	14.53	14.94	14.47
56	20	15.09	14.46	15.07	14.36
57	20	14.87	14.80	14.82	14.70
58	20	15.10	15.29	15.15	15.27
59	20	14.84	14.71	14.76	14.58
60	20	15.11	14.42	15.12	14.42
61	20	14.86	14.59	14.85	14.61
62	20	14.92	14.33	15.06	14.45
63	20	14.76	14.73	14.82	14.63
Total Power [dBm/MHz]		32.97	32.85	33.06	32.75
Antenna Gain [dBi]		24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		57.87	57.65	57.86	57.55
Limit [W/MHz]		1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15
Margin [dB/MHz]		4.38	4.50	4.29	4.60

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.17 Table Configuration 7

CH	BW [MHz]	TM3.1a (SCS 30)		TM3.1a (SCS 60)	
		Middle		Middle	
		PSD1 [dBm/MHz]	PSD2 [dBm/MHz]	PSD1 [dBm/MHz]	PSD2 [dBm/MHz]
0	40	15.13	15.01	15.16	14.98
1	40	14.89	14.92	14.96	15.01
2	40	15.07	14.85	15.17	14.99
3	40	15.77	15.59	15.82	15.70
4	40	15.50	15.03	15.56	15.19
5	40	14.89	14.84	14.97	14.98
6	40	14.89	14.65	15.05	14.90
7	40	14.98	14.83	15.03	14.98
8	40	15.61	14.72	15.60	14.82
9	40	15.61	14.77	15.66	14.95
10	40	15.31	14.78	15.33	14.93
11	40	15.45	14.93	15.51	15.15
12	40	15.22	14.58	15.20	14.71
13	40	14.94	14.58	14.87	14.67
14	40	15.32	14.67	15.34	14.83
15	40	15.19	14.99	15.28	15.24
16	40	15.14	14.44	15.11	14.60
17	40	15.03	14.60	15.03	14.77
18	40	14.90	14.14	14.83	14.28
19	40	15.05	14.60	15.02	14.74
20	40	15.08	14.57	15.12	14.81
21	40	14.96	14.78	14.90	14.89
22	40	14.98	14.76	15.05	14.98
23	40	15.09	14.89	15.08	15.06
24	40	15.51	14.41	15.51	14.58
25	40	15.05	14.52	14.93	14.54
26	40	15.29	14.81	15.13	14.80
27	40	15.20	14.97	15.06	15.00
28	40	15.37	14.59	15.15	14.58
29	40	15.23	14.69	15.06	14.73
30	40	15.09	14.78	14.96	14.78
31	40	15.11	14.69	14.94	14.75
32	40	14.92	14.41	14.78	14.53
33	40	14.78	14.57	14.69	14.70
34	40	14.75	14.47	14.58	14.47
35	40	14.72	14.46	14.67	14.56
36	40	14.70	14.18	14.74	14.34
37	40	14.69	14.50	14.68	14.55
38	40	15.00	14.70	15.00	14.60
39	40	14.99	14.52	15.02	14.60
40	40	14.85	14.31	14.98	14.50
41	40	14.73	14.53	14.90	14.74

42	40	14.79	14.49	14.94	14.69
43	40	14.56	14.52	14.76	14.79
44	40	15.04	14.14	15.19	14.37
45	40	14.77	14.25	14.85	14.40
46	40	14.98	14.30	15.03	14.44
47	40	15.07	14.54	15.11	14.68
48	40	14.82	14.29	14.82	14.38
49	40	14.91	14.53	14.87	14.59
50	40	14.97	14.34	14.85	14.31
51	40	14.70	14.50	14.53	14.46
52	40	14.81	14.25	14.80	14.38
53	40	14.62	14.61	14.56	14.68
54	40	14.70	14.34	14.71	14.51
55	40	14.90	14.45	14.91	14.63
56	40	15.11	14.37	14.97	14.40
57	40	14.80	14.51	14.70	14.58
58	40	15.22	15.08	15.12	15.16
59	40	15.03	14.47	14.90	14.52
60	40	15.27	14.41	15.09	14.44
61	40	15.07	14.45	15.04	14.58
62	40	15.11	14.27	15.05	14.39
63	40	15.06	14.38	14.99	14.48
Total Power [dBm/MHz]		33.64	32.66	33.08	32.76
Antenna Gain [dBi]		24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		58.44	57.46	57.88	57.56
Limit [W/MHz]		1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15
Margin [dB/MHz]		3.71	4.69	4.27	4.59

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.18 Table Configuration 8

CH	BW [MHz]	TM3.1a (SCS 30)		TM3.1a (SCS 60)	
		Middle		Middle	
		PSD1 [dBm/MHz]	PSD2 [dBm/MHz]	PSD1 [dBm/MHz]	PSD2 [dBm/MHz]
0	60	15.14	15.04	15.28	15.00
1	60	15.01	14.95	14.83	14.95
2	60	14.96	15.01	14.87	15.05
3	60	15.76	15.67	15.64	15.62
4	60	15.40	15.08	15.40	15.13
5	60	14.89	14.91	14.93	14.96
6	60	14.97	14.98	14.96	14.97
7	60	14.92	14.82	14.99	14.87
8	60	15.62	14.81	15.63	14.81
9	60	15.55	14.90	15.53	14.85
10	60	15.20	14.96	15.31	15.02
11	60	15.42	15.00	15.55	15.08
12	60	15.16	14.71	15.30	14.78
13	60	14.94	14.69	15.09	14.81
14	60	15.10	15.04	15.17	15.07
15	60	15.19	15.16	15.31	15.25
16	60	15.05	14.60	15.11	14.65
17	60	14.71	14.74	14.76	14.76
18	60	14.65	14.26	14.73	14.34
19	60	14.90	14.87	14.99	14.94
20	60	14.82	14.83	14.94	14.95
21	60	14.81	14.84	14.94	14.96
22	60	14.76	14.86	14.87	14.94
23	60	14.91	14.98	14.99	15.07
24	60	15.35	14.67	15.47	14.77
25	60	15.05	14.82	15.12	14.84
26	60	15.05	14.75	15.23	14.91
27	60	14.98	14.92	15.07	15.00
28	60	15.15	14.77	15.23	14.85
29	60	14.96	14.65	15.09	14.78
30	60	15.01	14.73	15.09	14.81
31	60	15.03	14.91	15.08	14.95
32	60	14.75	14.61	14.75	14.62
33	60	14.44	14.68	14.43	14.67
34	60	14.77	14.76	14.72	14.69
35	60	14.73	14.66	14.71	14.63
36	60	14.73	14.29	14.69	14.24
37	60	14.54	14.54	14.51	14.50
38	60	14.95	14.74	14.79	14.45
39	60	14.97	14.74	14.89	14.63
40	60	14.90	14.58	14.90	14.59
41	60	14.93	14.60	14.96	14.64

42	60	14.84	14.69	14.78	14.68
43	60	14.71	14.80	14.67	14.78
44	60	15.07	14.38	15.01	14.34
45	60	14.92	14.53	14.91	14.55
46	60	14.98	14.44	15.06	14.56
47	60	15.13	14.64	15.25	14.78
48	60	14.88	14.35	14.89	14.35
49	60	14.88	14.51	14.86	14.48
50	60	14.83	14.44	14.84	14.42
51	60	14.47	14.44	14.58	14.52
52	60	14.60	14.42	14.69	14.48
53	60	14.37	14.75	14.40	14.74
54	60	14.43	14.53	14.43	14.49
55	60	14.57	14.51	14.65	14.55
56	60	14.94	14.57	15.02	14.61
57	60	14.85	14.73	14.87	14.70
58	60	14.99	15.32	15.11	15.38
59	60	14.80	14.69	14.93	14.77
60	60	14.95	14.54	15.03	14.58
61	60	15.16	14.60	15.22	14.62
62	60	15.07	14.52	15.17	14.60
63	60	14.83	14.53	14.89	14.54
Total Power [dBm/MHz]		33.01	32.79	33.04	32.83
Antenna Gain [dBi]		24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		57.81	57.59	57.84	57.62
Limit [W/MHz]		1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15
Margin [dB/MHz]		4.35	4.56	4.31	4.53

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.19 Table Configuration 9

CH	BW [MHz]	TM3.1a (SCS 30)		TM3.1a (SCS 60)	
		Middle		Middle	
		PSD1 [dBm/MHz]	PSD2 [dBm/MHz]	PSD1 [dBm/MHz]	PSD2 [dBm/MHz]
0	80	14.33	14.22	14.22	14.27
1	80	13.96	14.18	13.88	14.17
2	80	14.07	14.44	13.93	14.46
3	80	14.87	15.04	14.73	14.95
4	80	14.55	14.51	14.48	14.50
5	80	14.21	14.36	14.22	14.42
6	80	14.14	14.32	14.14	14.26
7	80	14.11	14.24	14.02	14.21
8	80	14.67	14.25	14.56	14.20
9	80	14.72	14.37	14.57	14.28
10	80	14.43	14.34	14.35	14.32
11	80	14.62	14.35	14.46	14.25
12	80	14.34	14.29	14.17	14.19
13	80	14.13	14.04	14.00	13.99
14	80	14.31	14.36	14.18	14.33
15	80	14.36	14.52	14.29	14.56
16	80	14.14	13.95	14.00	13.90
17	80	13.99	13.91	13.91	13.90
18	80	13.78	13.66	13.59	13.56
19	80	14.05	14.12	13.94	14.07
20	80	13.95	14.00	13.94	14.07
21	80	13.97	14.06	13.89	14.06
22	80	13.78	14.07	13.71	14.04
23	80	13.97	14.19	13.98	14.24
24	80	14.37	13.92	14.27	13.87
25	80	13.91	13.88	13.92	13.92
26	80	14.20	14.07	14.21	14.12
27	80	14.03	14.22	14.00	14.21
28	80	13.93	13.88	13.95	13.93
29	80	13.95	13.86	13.99	13.95
30	80	13.86	14.05	13.89	14.13
31	80	13.96	14.07	13.89	14.04
32	80	13.61	13.91	13.60	13.98
33	80	13.52	13.75	13.52	13.80
34	80	13.62	13.75	13.47	13.63
35	80	13.74	13.86	13.75	13.90
36	80	13.67	13.41	13.53	13.30
37	80	13.68	13.67	13.60	13.63
38	80	13.82	13.88	13.79	13.78
39	80	13.99	13.92	13.88	13.83
40	80	13.65	13.65	13.69	13.75
41	80	13.85	13.92	13.83	13.94

42	80	13.79	13.87	13.80	13.94
43	80	13.63	13.93	13.67	14.03
44	80	13.88	13.58	13.85	13.59
45	80	13.88	13.80	13.79	13.75
46	80	13.81	13.68	13.77	13.69
47	80	14.21	13.86	14.07	13.79
48	80	13.78	13.64	13.64	13.56
49	80	13.74	13.84	13.58	13.73
50	80	13.87	13.77	13.72	13.68
51	80	13.68	13.82	13.49	13.68
52	80	13.86	13.79	13.68	13.66
53	80	13.63	14.00	13.36	13.80
54	80	13.66	13.73	13.40	13.55
55	80	13.87	13.78	13.62	13.59
56	80	14.00	14.04	13.79	13.91
57	80	14.01	13.93	13.87	13.85
58	80	14.18	14.54	13.97	14.40
59	80	14.00	13.94	13.75	13.81
60	80	14.11	13.88	13.93	13.82
61	80	14.18	14.02	14.00	13.93
62	80	14.08	13.67	13.96	13.64
63	80	14.02	13.81	13.85	13.70
Total Power [dBm/MHz]		32.07	32.07	31.97	32.03
Antenna Gain [dBi]		24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		56.87	56.87	56.77	56.83
Limit [W/MHz]		1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15
Margin [dB/MHz]		5.28	5.28	5.38	5.32

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

5.20 Table Configuration 10

CH	BW [MHz]	TM3.1a (SCS 30)		TM3.1a (SCS 60)	
		Middle		Middle	
		PSD1 [dBm/MHz]	PSD2 [dBm/MHz]	PSD1 [dBm/MHz]	PSD2 [dBm/MHz]
0	100	13.36	13.42	13.31	13.36
1	100	13.10	13.30	13.01	13.19
2	100	13.28	13.55	13.18	13.50
3	100	13.85	14.09	13.79	14.00
4	100	13.64	13.46	13.67	13.48
5	100	13.25	13.36	13.18	13.26
6	100	13.09	13.27	13.09	13.24
7	100	13.16	13.41	13.12	13.36
8	100	13.76	13.28	13.64	13.16
9	100	13.64	13.43	13.63	13.43
10	100	13.60	13.43	13.54	13.35
11	100	13.70	13.48	13.64	13.40
12	100	13.31	13.29	13.28	13.24
13	100	13.21	13.15	13.11	13.05
14	100	13.22	13.35	13.21	13.33
15	100	13.34	13.61	13.21	13.48
16	100	13.12	12.91	13.06	12.85
17	100	13.11	13.00	12.95	12.84
18	100	12.74	12.74	12.57	12.59
19	100	13.03	13.09	12.93	12.99
20	100	13.17	13.14	13.03	13.03
21	100	13.10	13.25	12.95	13.12
22	100	13.00	13.17	12.92	13.09
23	100	13.19	13.46	13.07	13.34
24	100	13.47	13.03	13.43	13.02
25	100	13.12	13.12	13.03	13.04
26	100	13.27	13.11	13.24	13.07
27	100	13.15	13.44	13.10	13.39
28	100	12.97	12.90	12.94	12.88
29	100	13.18	13.07	13.09	12.99
30	100	13.07	13.22	13.09	13.22
31	100	13.23	13.22	13.09	13.08
32	100	12.78	12.97	12.74	12.96
33	100	12.63	12.87	12.62	12.88
34	100	12.64	12.75	12.54	12.65
35	100	12.74	12.90	12.74	12.89
36	100	12.79	12.54	12.67	12.40
37	100	12.76	12.66	12.59	12.48
38	100	12.99	12.99	12.89	12.84
39	100	13.15	13.00	13.04	12.87
40	100	12.75	12.71	12.82	12.76
41	100	12.86	12.91	12.91	12.94

42	100	13.07	12.96	13.02	12.89
43	100	12.70	12.98	12.70	12.97
44	100	13.01	12.70	12.95	12.60
45	100	12.85	12.73	12.78	12.64
46	100	12.82	12.78	12.82	12.75
47	100	13.10	12.87	13.06	12.80
48	100	13.05	12.76	12.96	12.68
49	100	12.77	12.80	12.66	12.70
50	100	12.94	12.86	12.74	12.65
51	100	12.81	12.86	12.62	12.65
52	100	12.87	12.75	12.73	12.63
53	100	12.75	12.98	12.65	12.85
54	100	12.71	12.78	12.63	12.69
55	100	12.94	12.80	12.75	12.61
56	100	13.02	12.98	13.02	12.99
57	100	13.09	13.07	12.97	12.94
58	100	13.29	13.52	13.20	13.42
59	100	13.05	12.92	12.94	12.81
60	100	13.18	12.86	13.04	12.74
61	100	13.10	13.00	13.04	12.93
62	100	13.23	12.80	13.07	12.61
63	100	13.20	12.88	13.06	12.73
Total Power [dBm/MHz]		31.15	31.13	31.08	31.05
Antenna Gain [dBi]		24.8	24.8	24.8	24.8
EIRP [dBm/MHz]		55.95	55.93	55.88	55.85
Limit [W/MHz]		1640	1640	1640	1640
Limit [dBm/MHz]		62.15	62.15	62.15	62.15
Margin [dB/MHz]		6.20	6.22	6.27	6.30

Note:

Total Power [dBm/MHz] = Summary of all Measured Output Power [dBm/MHz]

EIRP [dBm/MHz] = Total Power [dBm/MHz] + Antenna Gain [dBi]

Test Item 2
PEAK TO AVERAGE RATIO

6 Result Table

Test Item	Test Environment	EUT Config.	Test Model	Measured CH	Result
PEAK TO AVERAGE RATIO	NTNV	Conf. No. 1	TM3.1, TM3.1a	CH24 & CH3	Pass
		Conf. No. 2			Pass
		Conf. No. 3			Pass
		Conf. No. 4			Pass
		Conf. No. 5			Pass

7 Test Plot

7.1 Summary Table

Configuration No.	Measured CH	BW [MHz]	Peak to Average Ratio [dB]		
			TM3.1 (SCS 30)		
			Bottom	Middle	Top
1	24	20	9.72	9.63	9.57
2	24	40	9.65	9.71	9.60
3	24	60	9.63	9.84	9.69
4	24	80	9.53	9.44	9.55
5	24	100	9.07	8.79	9.00
Limit			≤13	≤13	≤13

Variant:

Configuration No.	Measured CH	BW [MHz]	Peak to Average Ratio [dB]		
			TM3.1a (SCS 60)		
			Bottom	Middle	Top
5	3	100	8.85	8.68	9.04
Limit			≤13	≤13	≤13

7.2 Figure Configuration 1

7.2.1 Figure Configuration 1_B



7.2.2 Figure Configuration 1_M



7.2.3 Figure Configuration 1_T



7.3 Figure Configuration 2

7.3.1 Figure Configuration 2_B



7.3.2 Figure Configuration 2_M



7.3.3 Figure Configuration 2_T



7.4 Figure Configuration 3

7.4.1 Figure Configuration 3_B



7.4.2 Figure Configuration 3_M



7.4.3 Figure Configuration 3_T



7.5 Figure Configuration 4

7.5.1 Figure Configuration 4_B



7.5.2 Figure Configuration 4_M



7.5.3 Figure Configuration 4_T



7.6 Figure Configuration 5

7.6.1 Figure Configuration 5_B



7.6.2 Figure Configuration 5_M



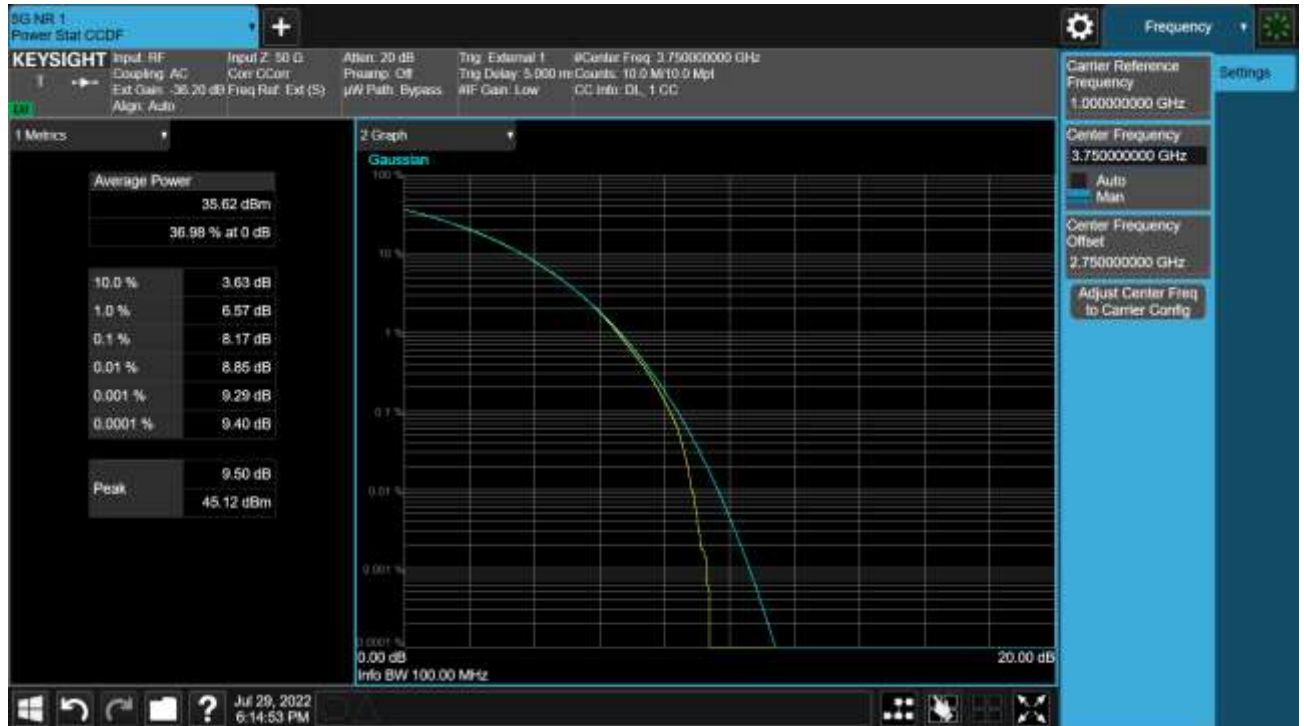
7.6.3 Figure Configuration 5_T



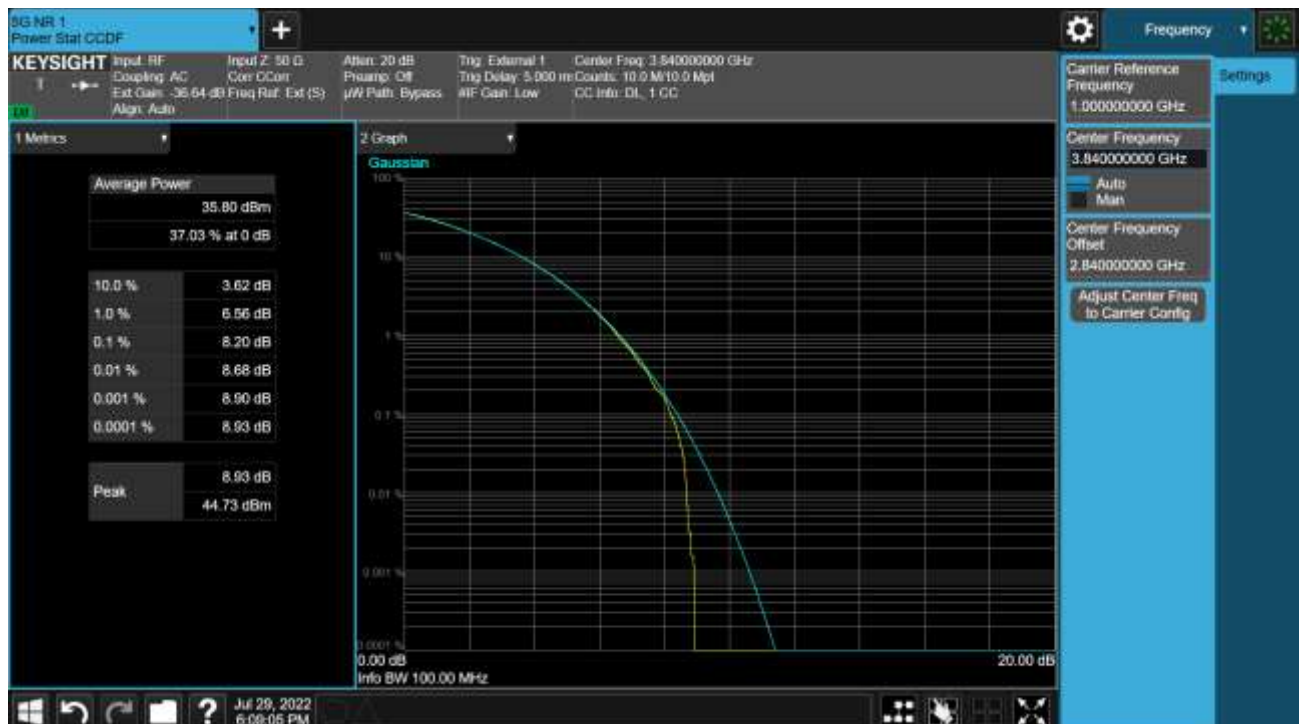
Variant:

7.7 Figure Configuration 5

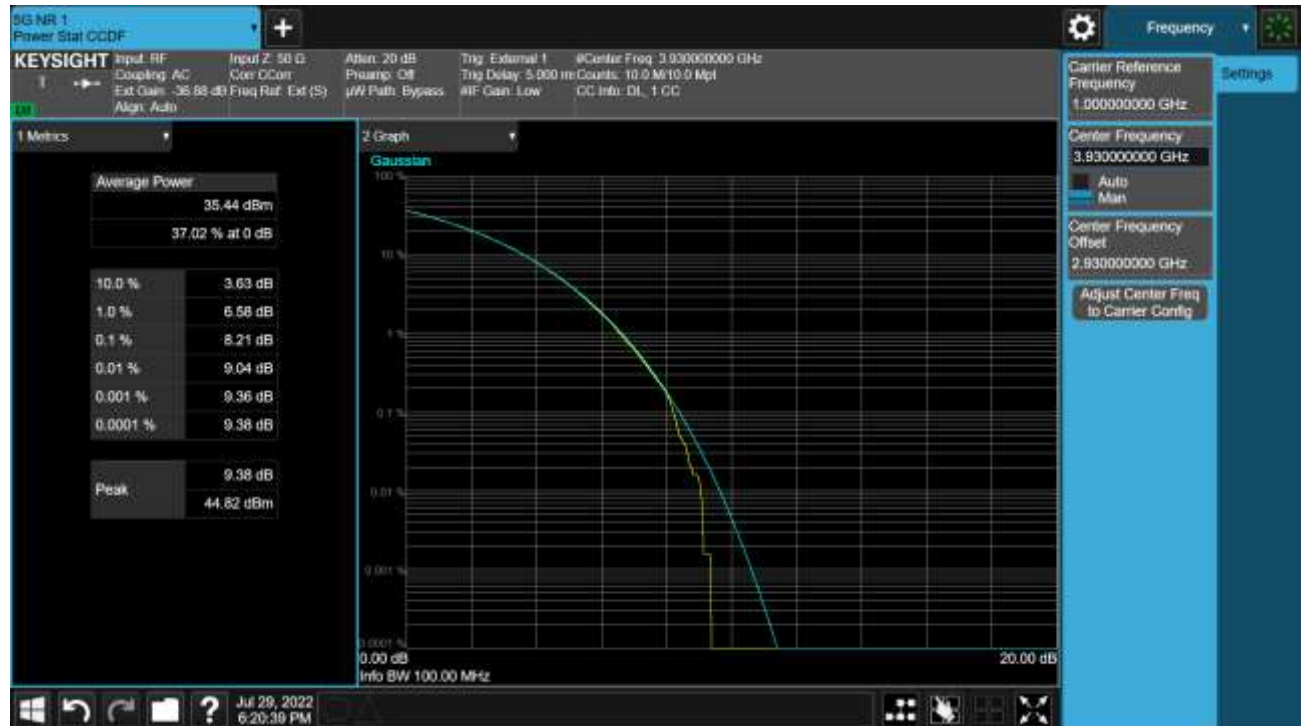
7.7.1 Figure Configuration 5_B



7.7.2 Figure Configuration 5_M



7.7.3 Figure Configuration 5_T



Test Item 3
MODULATION CHARACTERISTICS

8 Result Table

Test Item	Test Environment	EUT Config.	Test Model	Measured CH	Result
MODULATION CHARACTERISTICS	NTNV	Conf. No. 1	TM3.1	CH24	Pass
		Conf. No. 2			Pass
		Conf. No. 3			Pass
		Conf. No. 4			Pass
		Conf. No. 5			Pass

9 Test Plot

9.1 Figure Configuration 1

9.1.1 Figure Configuration 1_B



9.1.2 Figure Configuration 1_M



9.1.3 Figure Configuration 1_T



9.2 Figure Configuration 2

9.2.1 Figure Configuration 2_B



9.2.2 Figure Configuration 2_M



9.2.3 Figure Configuration 2_T



9.3 Figure Configuration 3

9.3.1 Figure Configuration 3_B



9.3.2 Figure Configuration 3_M



9.3.3 Figure Configuration 3_T



9.4 Figure Configuration 4

9.4.1 Figure Configuration 4_B



9.4.2 Figure Configuration 4_M



9.4.3 Figure Configuration 4_T



9.5 Figure Configuration 5

9.5.1 Figure Configuration 5_B



9.5.2 Figure Configuration 5_M



9.5.3 Figure Configuration 5_T



Test Item 4
OCCUPIED BANDWIDTH AND 26DB BANDWIDTH

10 Result Table

Test Item	Test Environment	EUT Config.	Measured CH	Test Model	Result	Test Model	Result
OCCUPIED BANDWIDTH AND 26DB BANDWIDTH	NTNV	Conf. No. 1	CH24 &CH3	TM1.1	Pass	TM3.1, TM3.1a	Pass
		Conf. No. 2			Pass		Pass
		Conf. No. 3			Pass		Pass
		Conf. No. 4			Pass		Pass
		Conf. No. 5			Pass		Pass
		Conf. No. 11			Pass		Pass
		Conf. No. 12			Pass		Pass
		Conf. No. 13			Pass		Pass
		Conf. No. 14			Pass		Pass
		Conf. No. 15			Pass		Pass

11 Test Records

11.1 Summary Table of TM1.1

Configuration No.	Measured CH	No. of carriers	BW [MHz]	TM1.1					
				OBW[MHz]			26dB BW[MHz]		
				Bottom	Middle	Top	Bottom	Middle	Top
1	24	1	20	18.18	18.18	18.18	18.92	18.91	18.90
2	24	1	40	37.78	37.81	37.79	39.10	39.11	39.10
3	24	1	60	57.74	57.79	57.75	59.80	59.81	59.81
4	24	1	80	77.33	77.38	77.33	80.04	80.05	80.04
5	24	1	100	97.27	97.33	97.30	100.06	100.06	100.06
11	24	2	20	38.02	38.04	38.03	39.01	38.95	38.96
12	24	2	40	77.42	77.47	77.43	79.19	79.23	79.19
13	24	2	60	117.20	117.30	117.10	120.00	120.00	120.00
14	24	2	80	156.70	156.70	156.70	160.30	160.30	160.30
15	24	2	100	196.50	196.80	196.50	201.10	201.10	201.10

11.2 Summary Table of TM3.1

Configuration No.	Measured CH	No. of carriers	BW [MHz]	TM3.1					
				OBW[MHz]			26dB BW[MHz]		
				Bottom	Middle	Top	Bottom	Middle	Top
1	24	1	20	18.20	18.20	18.21	18.91	18.91	18.91
2	24	1	40	37.83	37.86	37.84	39.14	39.16	39.16
3	24	1	60	57.80	57.89	57.85	59.85	59.88	59.87
4	24	1	80	77.40	77.50	77.44	80.09	80.13	80.11
5	24	1	100	97.42	97.49	97.40	100.70	100.80	100.70
11	24	2	20	38.00	38.04	38.02	38.99	38.95	38.99
12	24	2	40	77.39	77.45	77.41	79.20	79.23	79.18
13	24	2	60	117.30	117.20	117.20	120.10	120.10	120.10
14	24	2	80	156.80	156.80	156.60	160.30	160.30	160.30
15	24	2	100	196.50	196.70	196.50	201.10	201.10	201.10

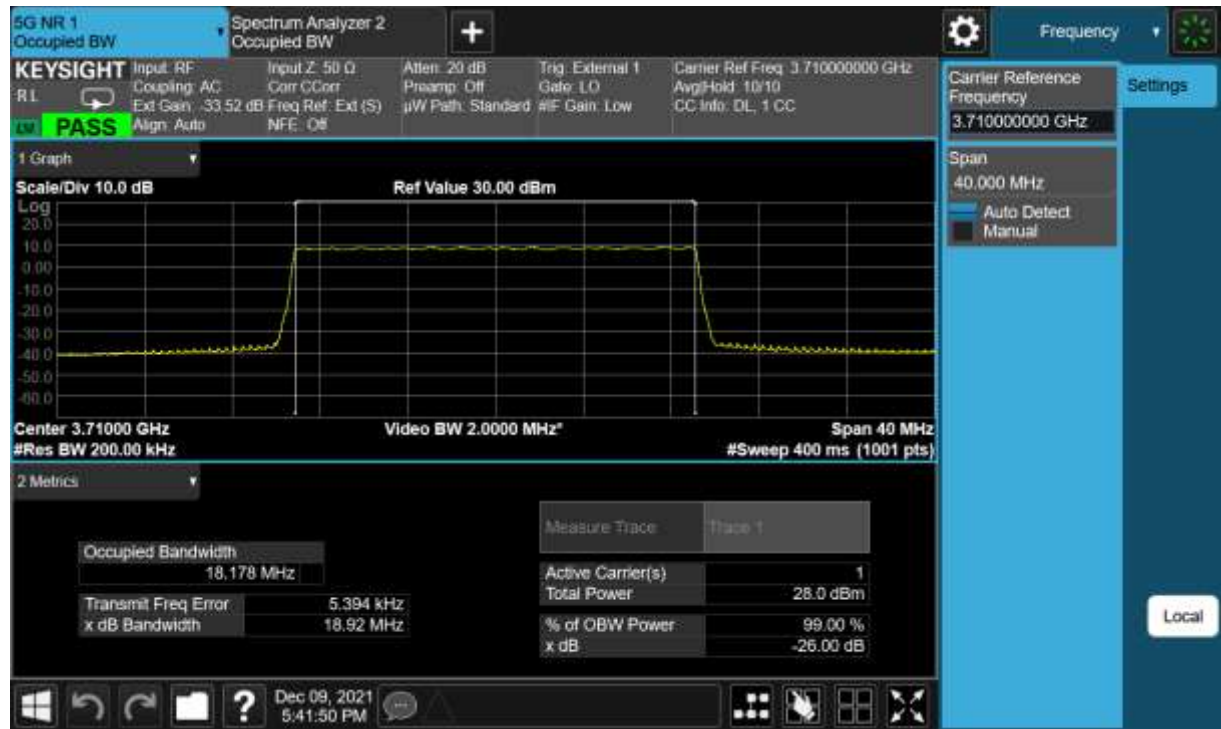
Variant

Configuration No.	Measured CH	No. of carriers	BW [MHz]	TM3.1a					
				OBW[MHz]			26dB BW[MHz]		
				Bottom	Middle	Top	Bottom	Middle	Top
SCS 60									
1	3	1	20	17.12	17.12	17.11	18.05	18.09	18.03
2	3	1	40	36.33	36.36	36.30	37.79	37.83	37.83
3	3	1	60	56.27	56.34	56.27	58.35	58.36	58.35
4	3	1	80	76.20	76.28	76.19	78.92	78.91	78.88
5	3	1	100	96.15	96.25	96.13	99.50	99.47	99.48
11	3	2	20	--	36.94	--	--	38.35	--
12	3	2	40	--	75.98	--	--	78.63	--
13	3	2	60	--	115.74	--	--	119.90	--
14	3	2	80	--	155.48	--	--	160.80	--
15	3	2	100	--	195.15	--	--	201.90	--
SCS 30									
5	3	1	100	97.11	97.28	97.15	100.50	100.60	100.50

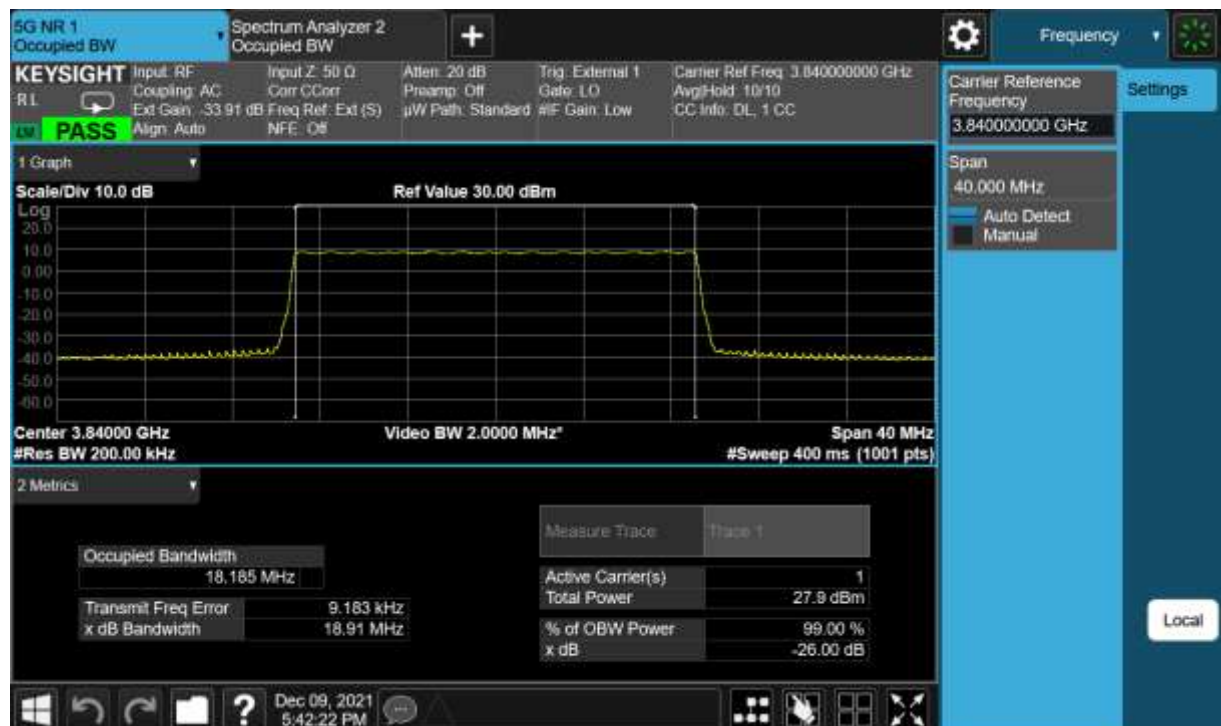
15	3	2	100	--	196.33	--	--	202.90	--
----	---	---	-----	----	--------	----	----	--------	----

11.3 Figure Configuration 1_TM1.1

11.3.1 Figure Configuration 1_TM1.1_B



11.3.2 Figure Configuration 1_TM1.1_M

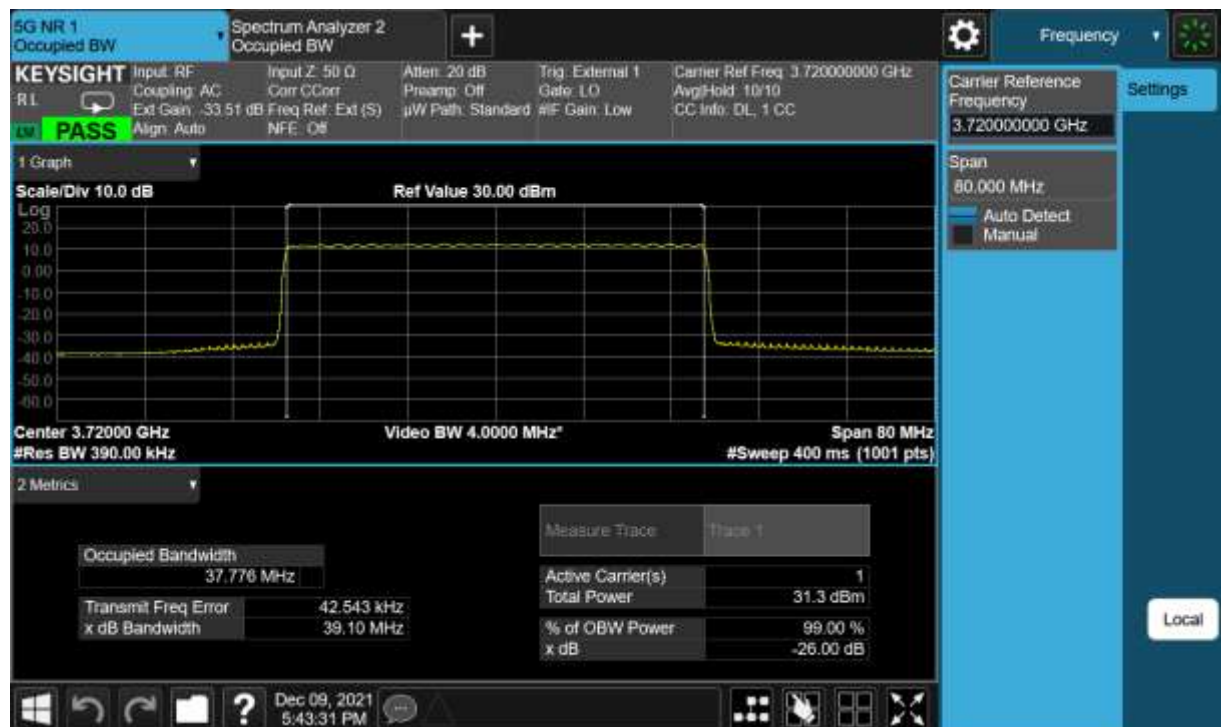


11.3.3 Figure Configuration 1_TM1.1_T

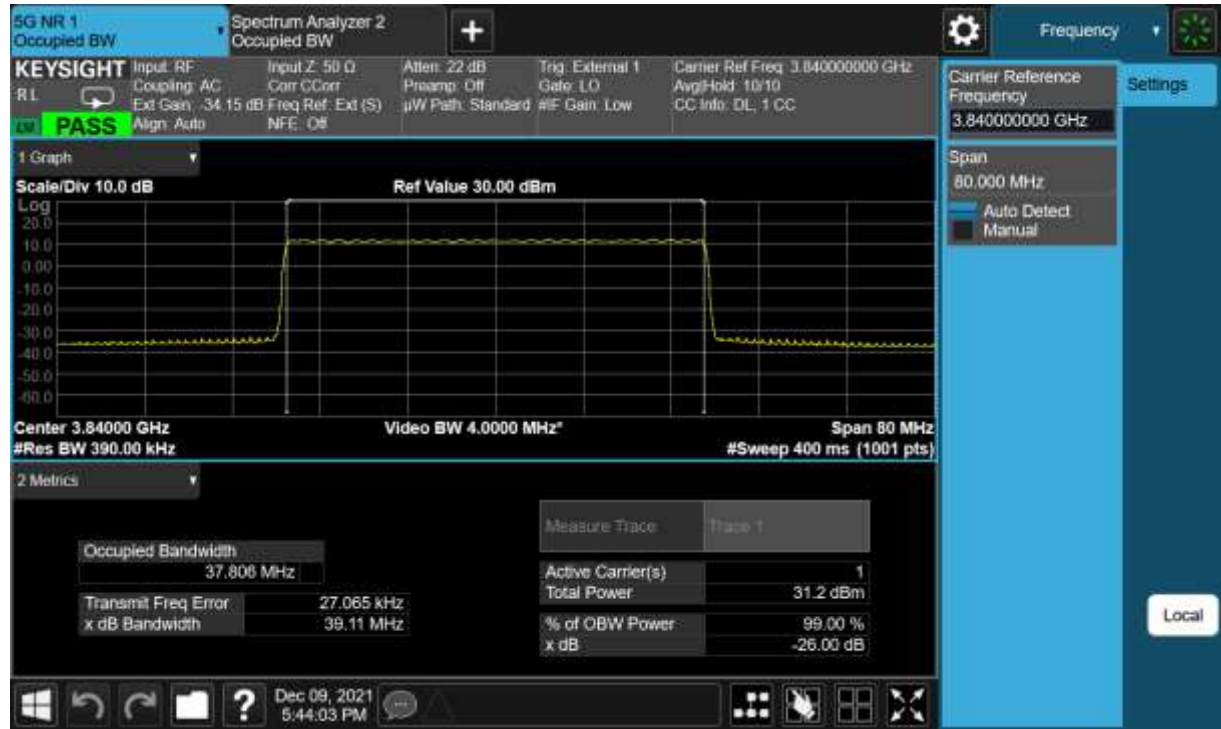


11.4 Figure Configuration 2_TM1.1

11.4.1 Figure Configuration 2_TM1.1_B



11.4.2 Figure Configuration 2_TM1.1_M

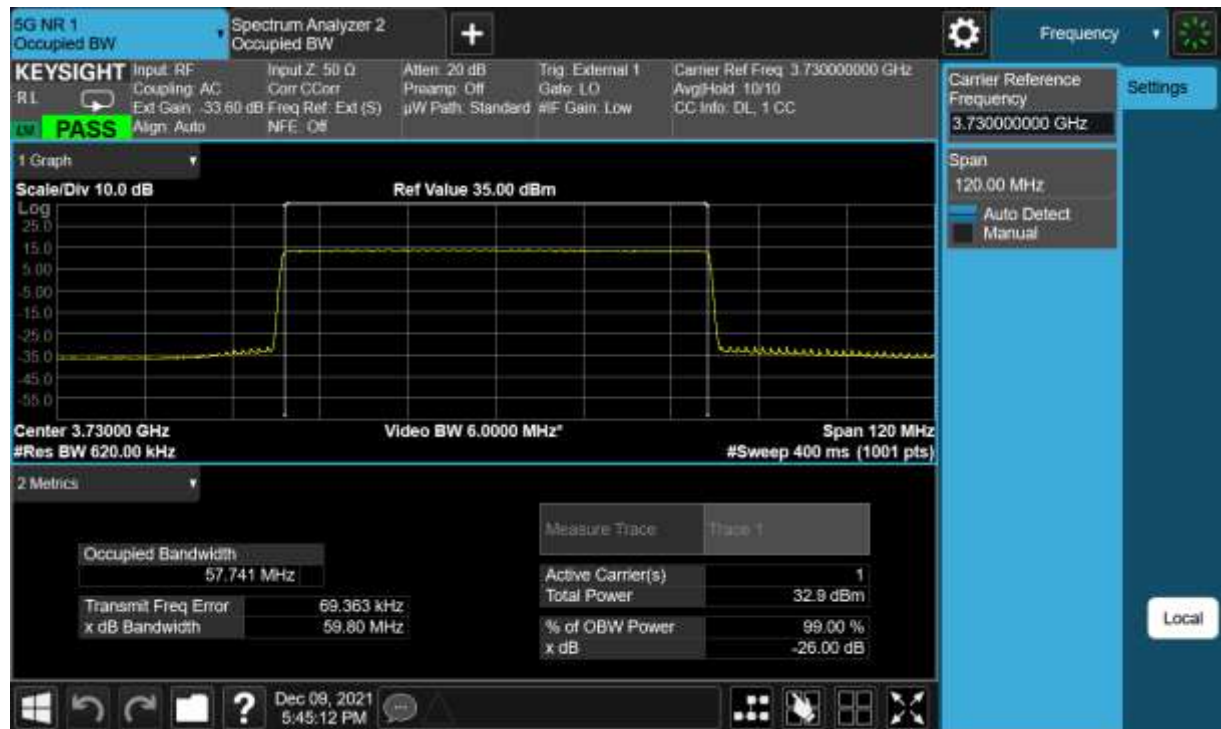


11.4.3 Figure Configuration 2_TM1.1_T



11.5 Figure Configuration 3_TM1.1

11.5.1 Figure Configuration 3_TM1.1_B



11.5.2 Figure Configuration 3_TM1.1_M

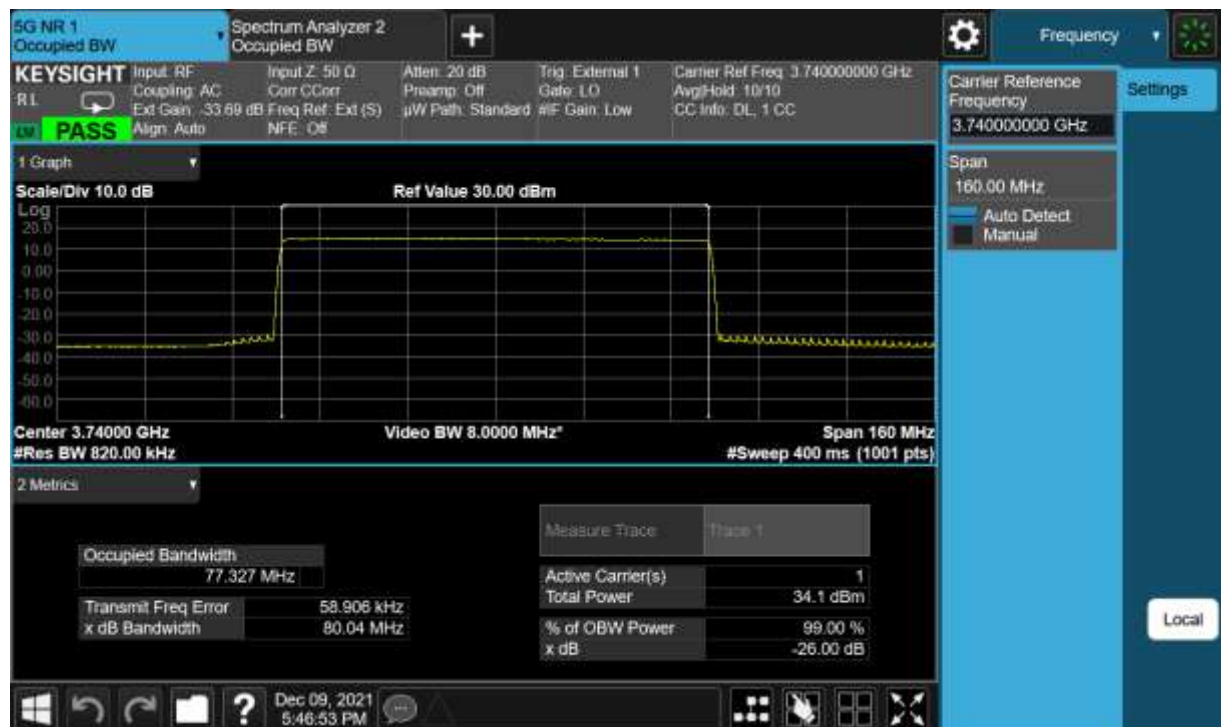


11.5.3 Figure Configuration 3_TM1.1_T

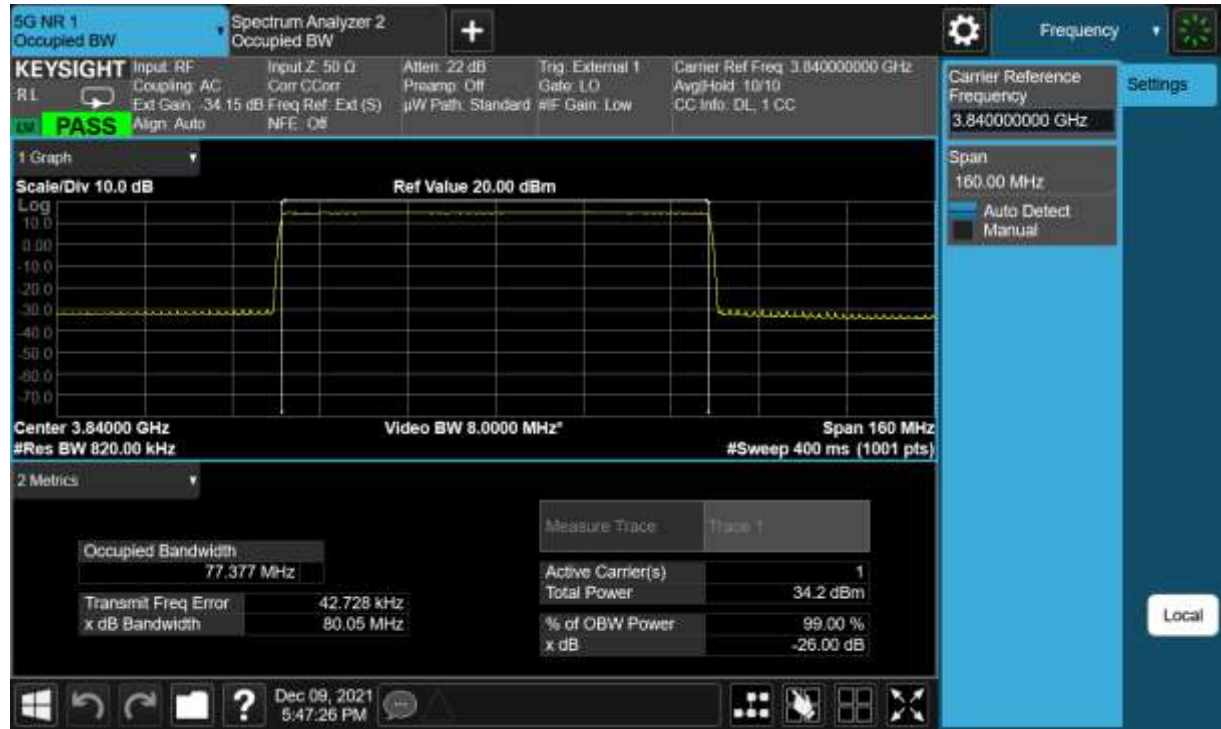


11.6 Figure Configuration 4_TM1.1

11.6.1 Figure Configuration 4_TM1.1_B



11.6.2 Figure Configuration 4_TM1.1_M



11.6.3 Figure Configuration 4_TM1.1_T

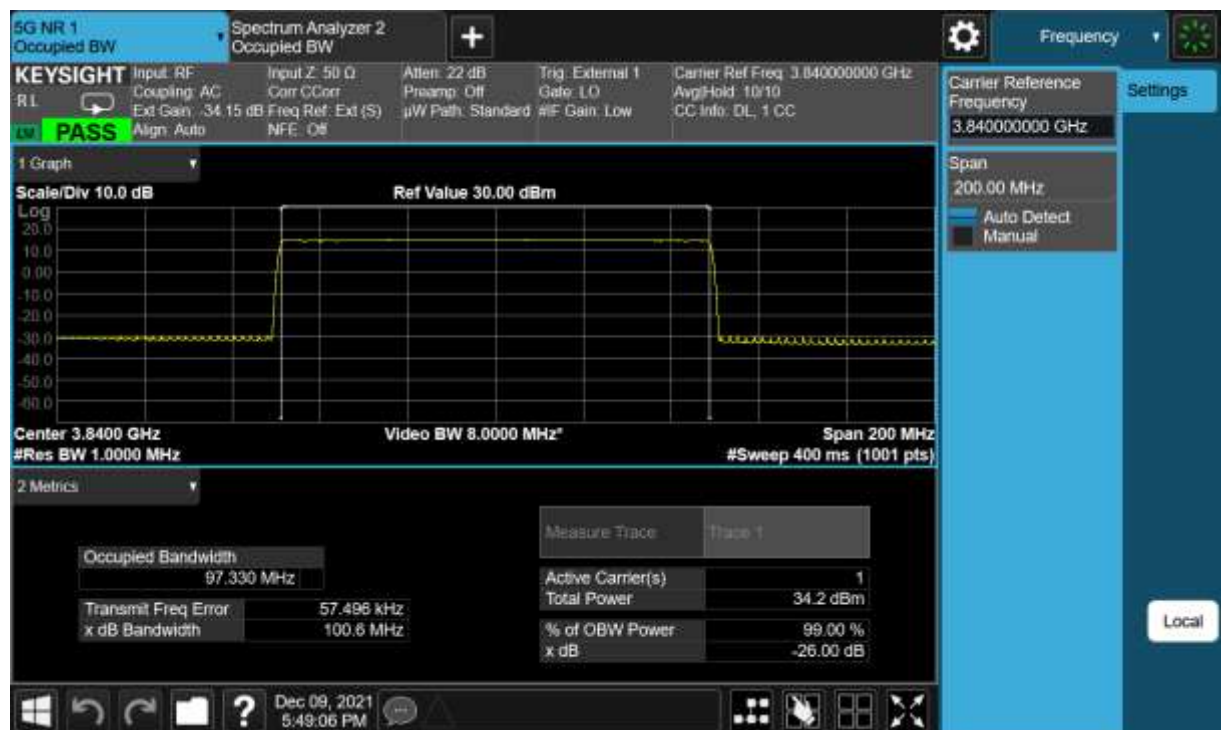


11.7 Figure Configuration 5_TM1.1

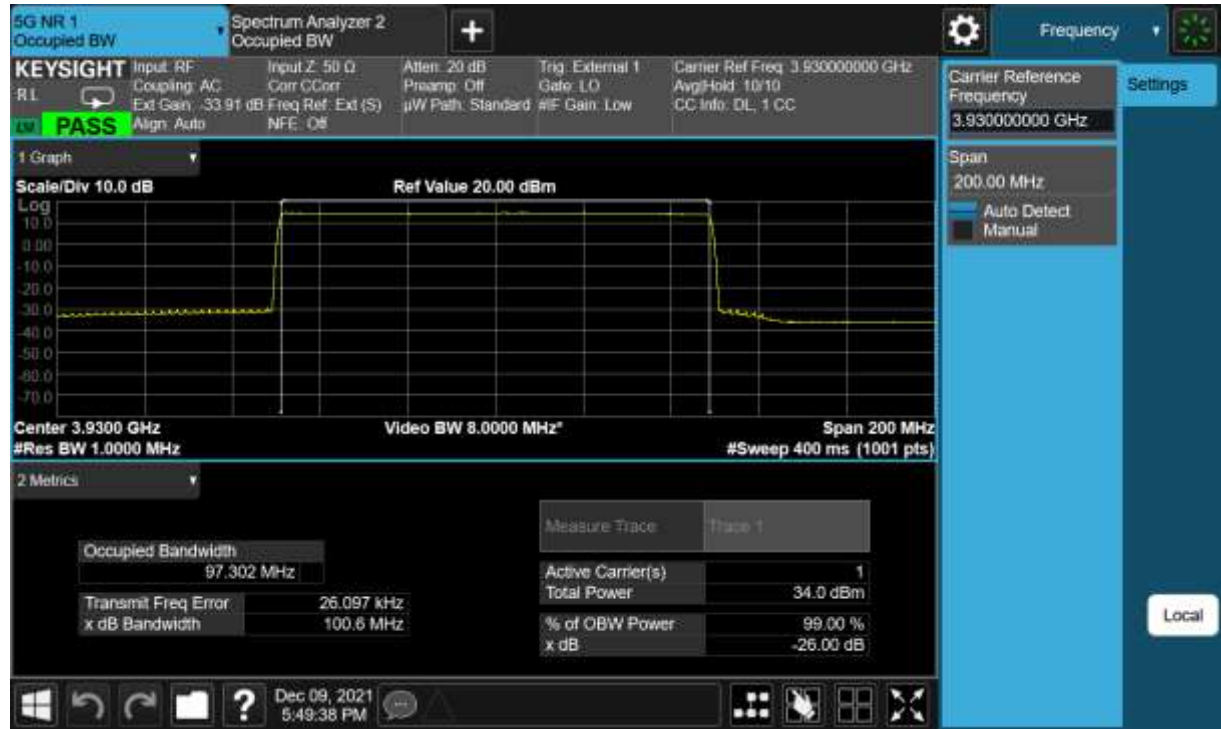
11.7.1 Figure Configuration 5_TM1.1_B



11.7.2 Figure Configuration 5_TM1.1_M

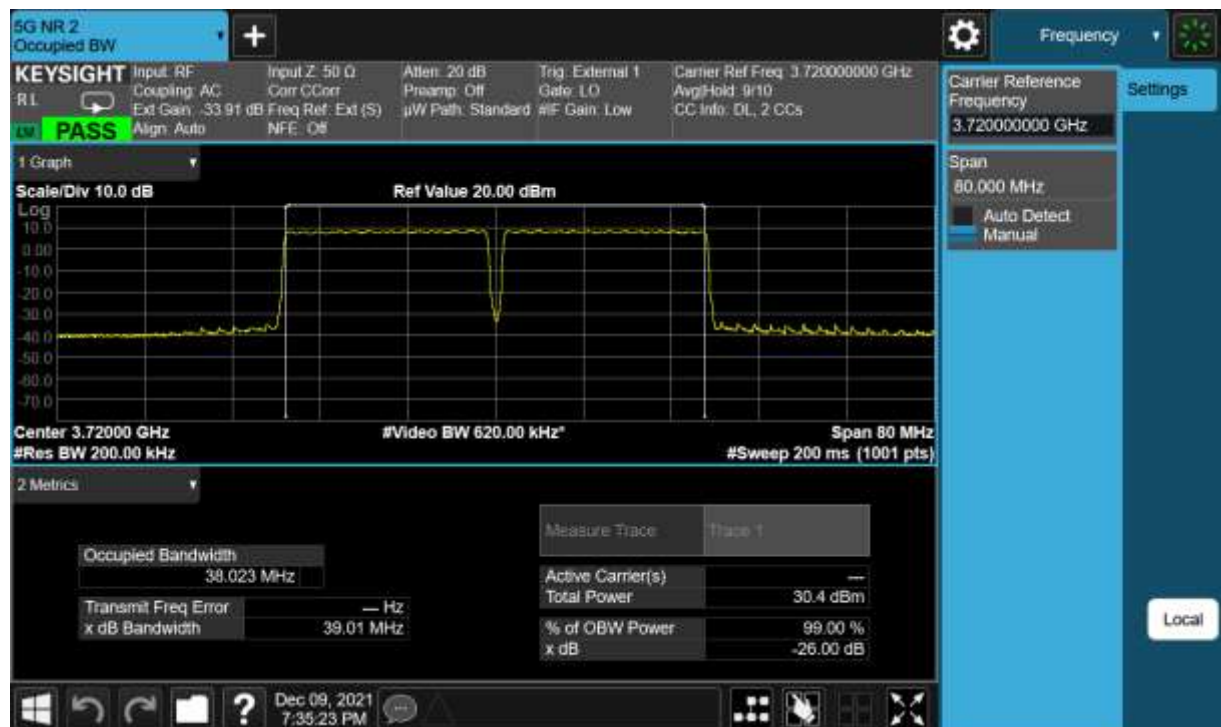


11.7.3 Figure Configuration 5_TM1.1_T

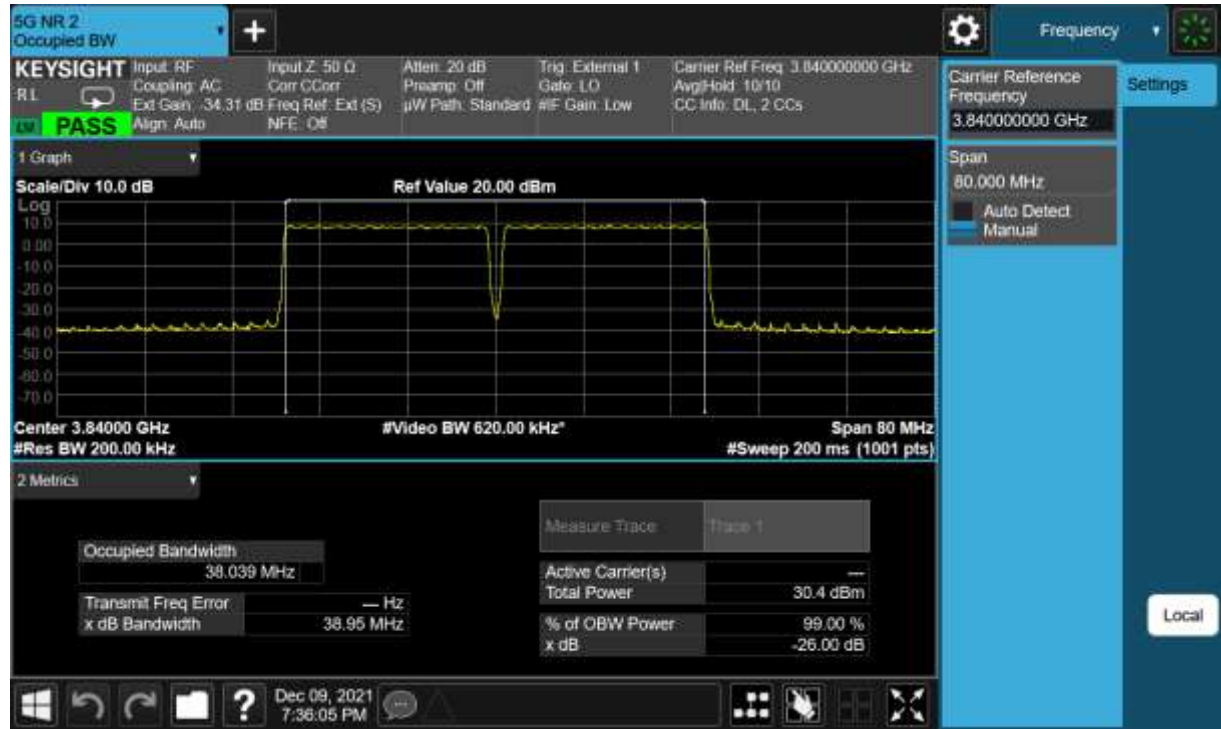


11.8 Figure Configuration 11_TM1.1

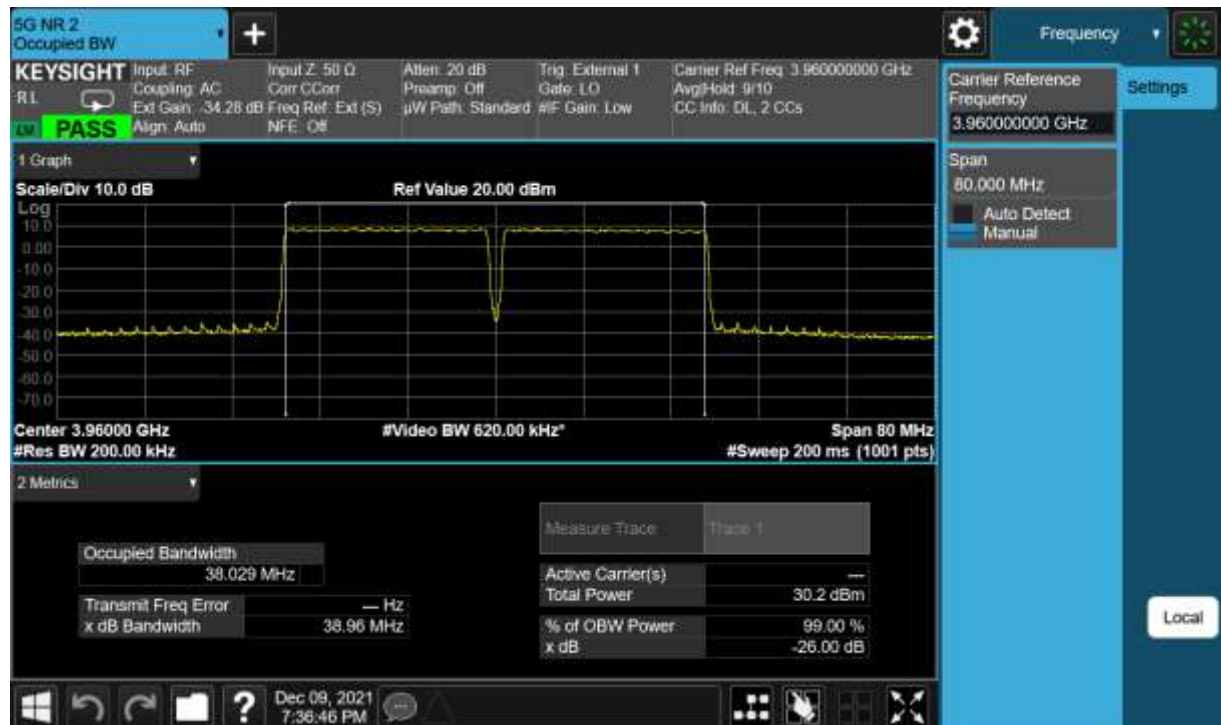
11.8.1 Figure Configuration 11_TM1.1_B



11.8.2 Figure Configuration 11_TM1.1_M

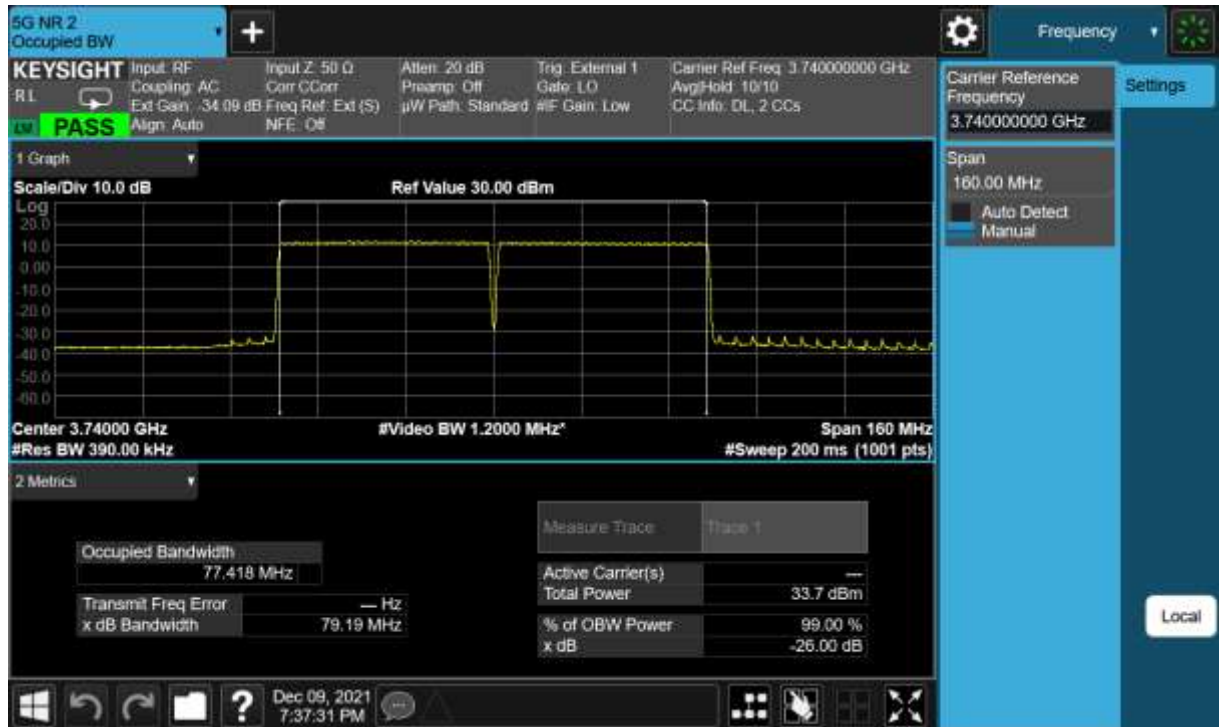


11.8.3 Figure Configuration 11_TM1.1_T

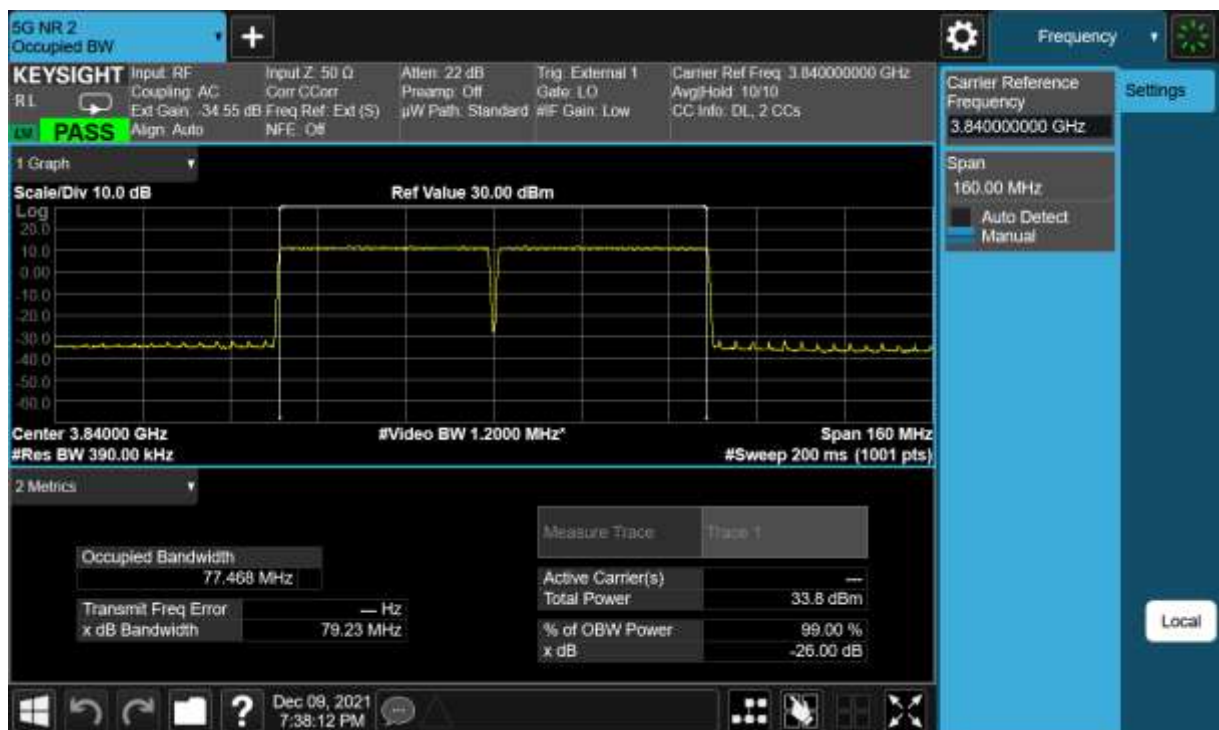


11.9 Figure Configuration 12_TM1.1

11.9.1 Figure Configuration 12_TM1.1_B



11.9.2 Figure Configuration 12_TM1.1_M

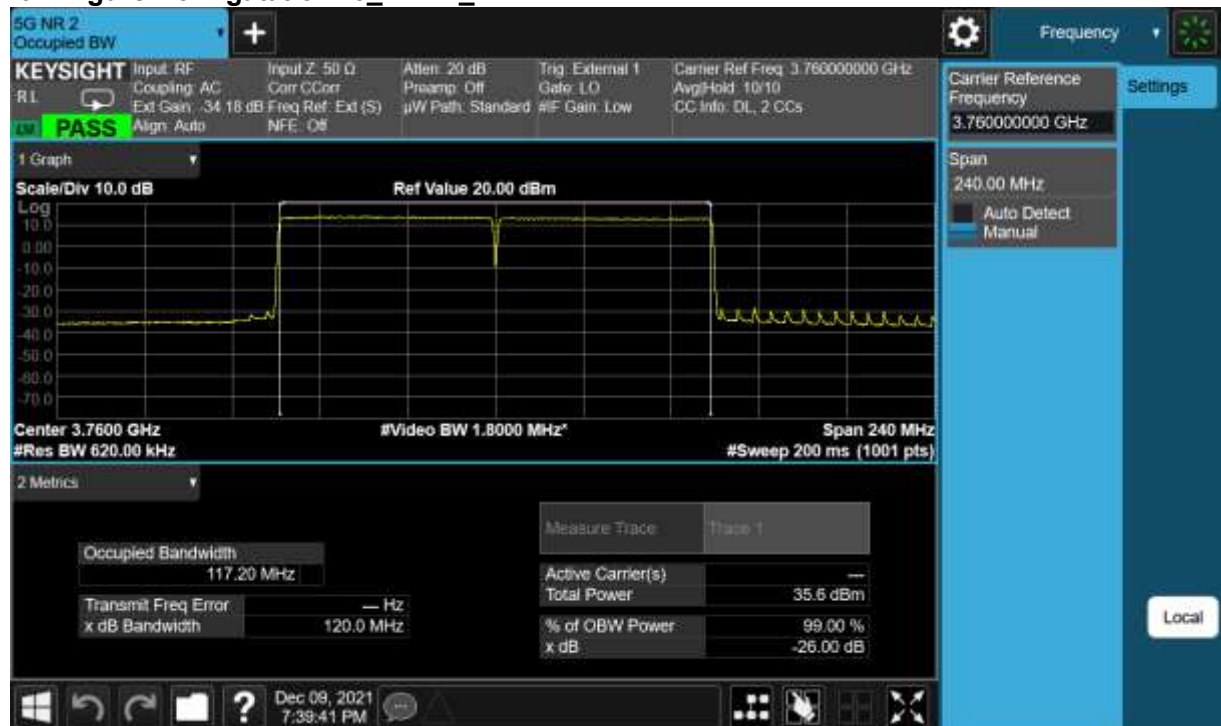


11.9.3 Figure Configuration 12_TM1.1_T

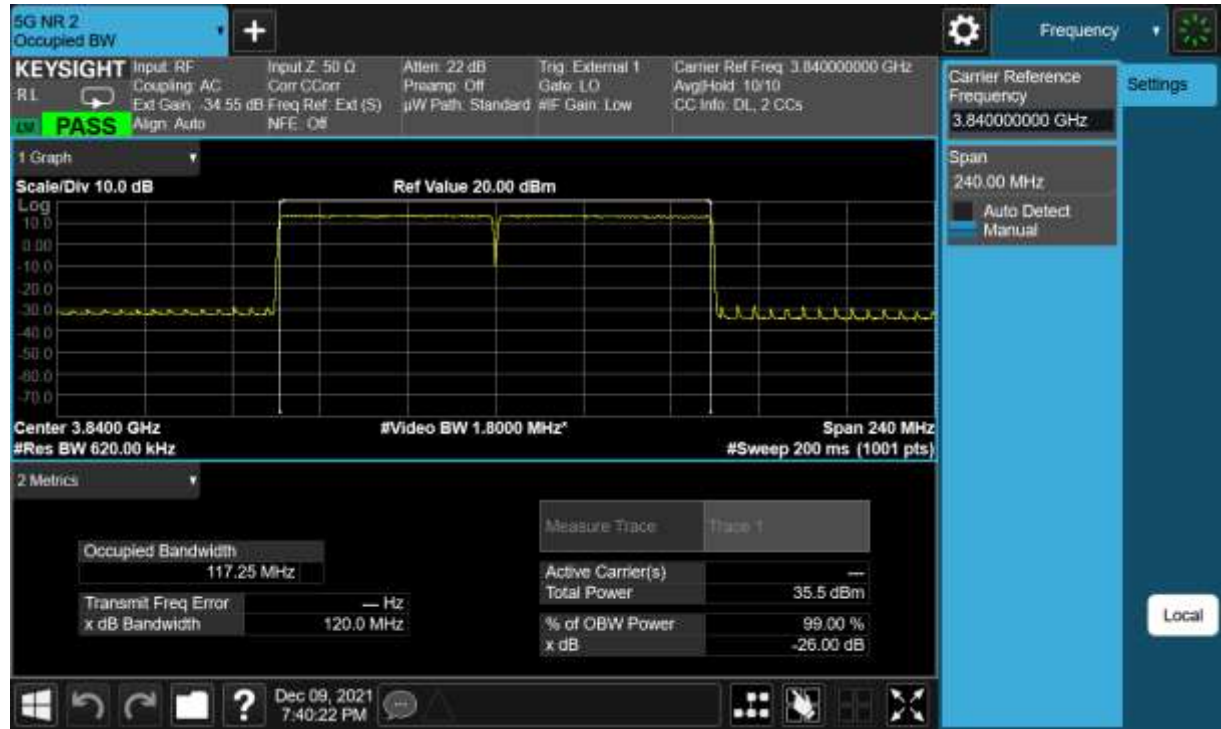


11.10 Figure Configuration 13_TM1.1

11.10.1 Figure Configuration 13_TM1.1_B



11.10.2 Figure Configuration 13_TM1.1_M

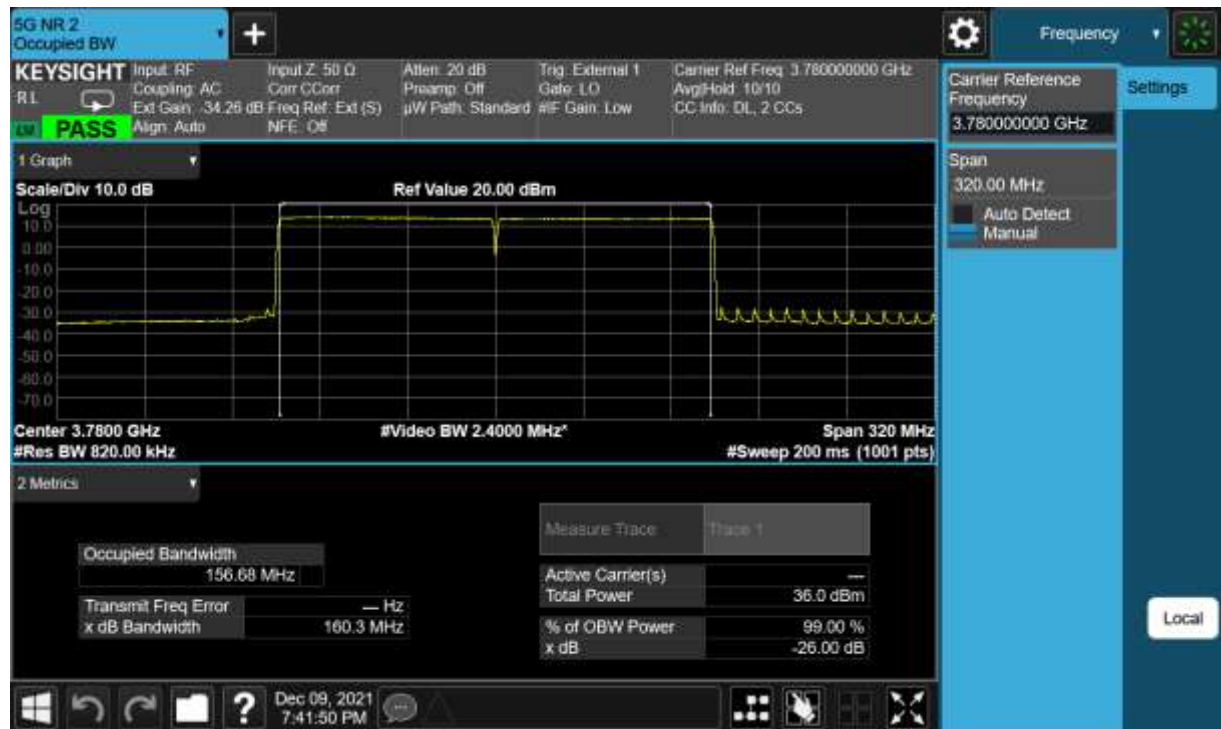


11.10.3 Figure Configuration 13_TM1.1_T

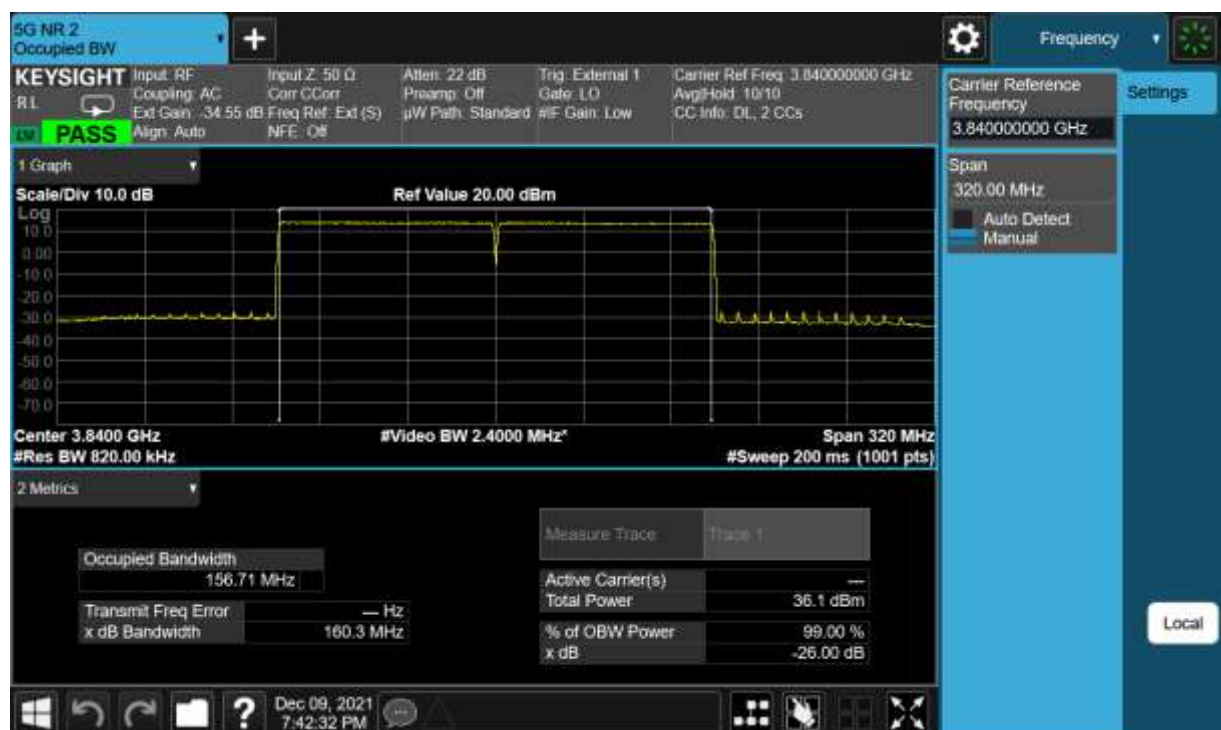


11.11 Figure Configuration 14_TM1.1

11.11.1 Figure Configuration 14_TM1.1_B



11.11.2 Figure Configuration 14_TM1.1_M

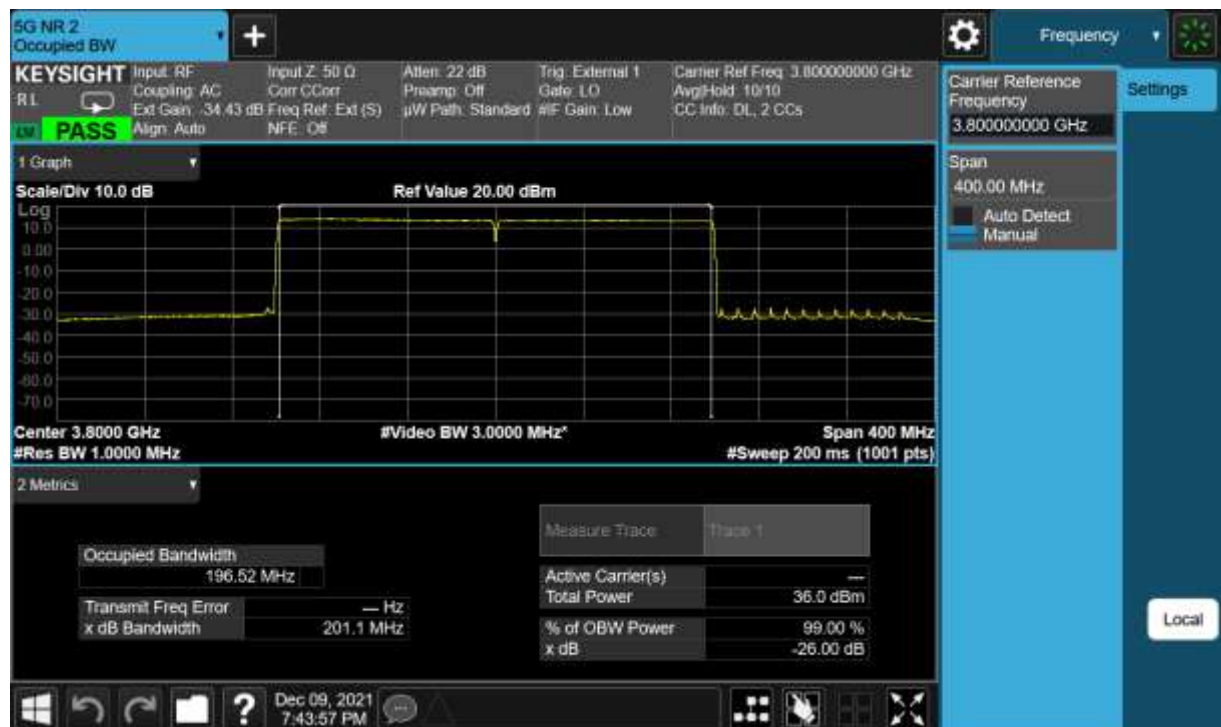


11.11.3 Figure Configuration 14_TM1.1_T

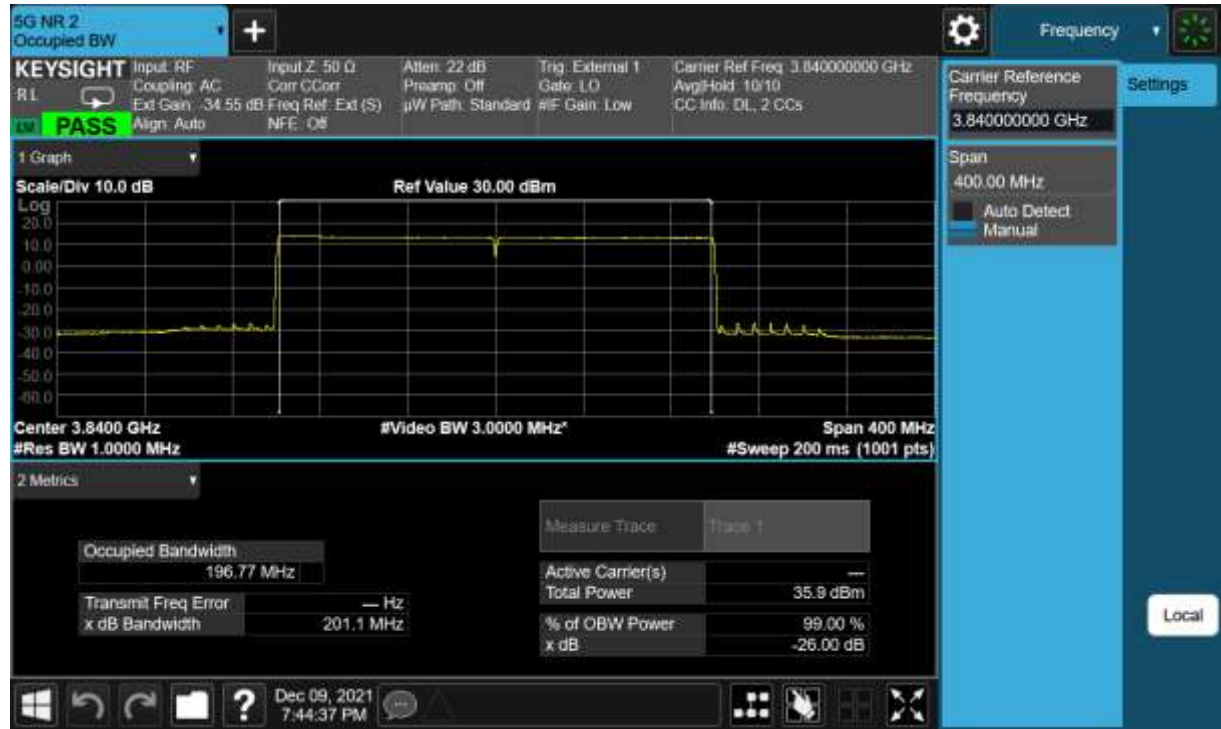


11.12 Figure Configuration 15_TM1.1

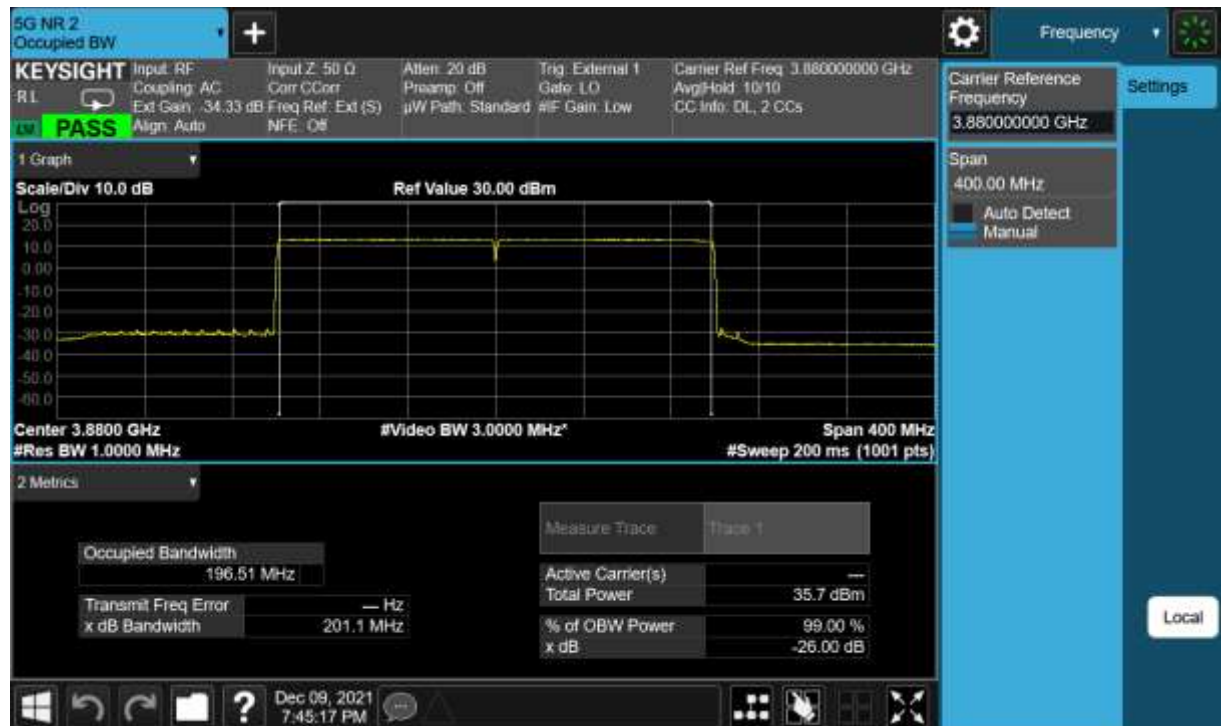
11.12.1 Figure Configuration 15_TM1.1_B



11.12.2 Figure Configuration 15_TM1.1_M

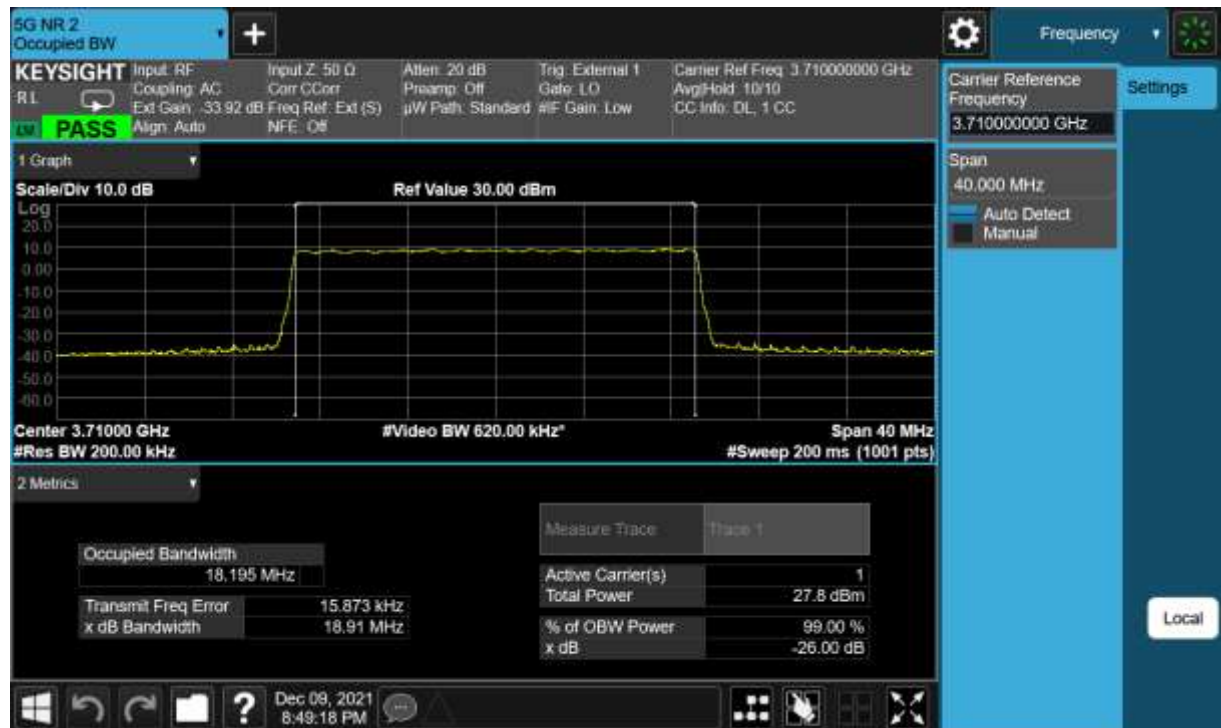


11.12.3 Figure Configuration 15_TM1.1_T



11.13 Figure Configuration 1_TM3.1

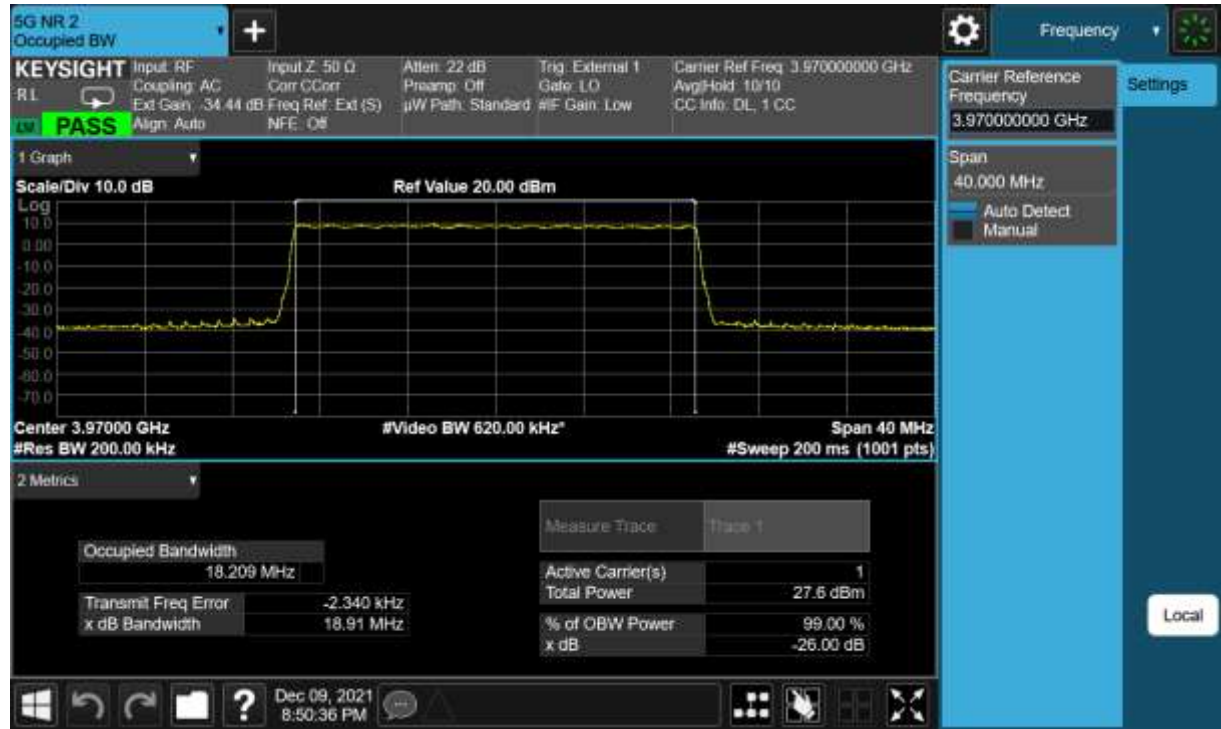
11.13.1 Figure Configuration 1_TM3.1_B



11.13.2 Figure Configuration 1_TM3.1_M



11.13.3 Figure Configuration 1_TM3.1_T

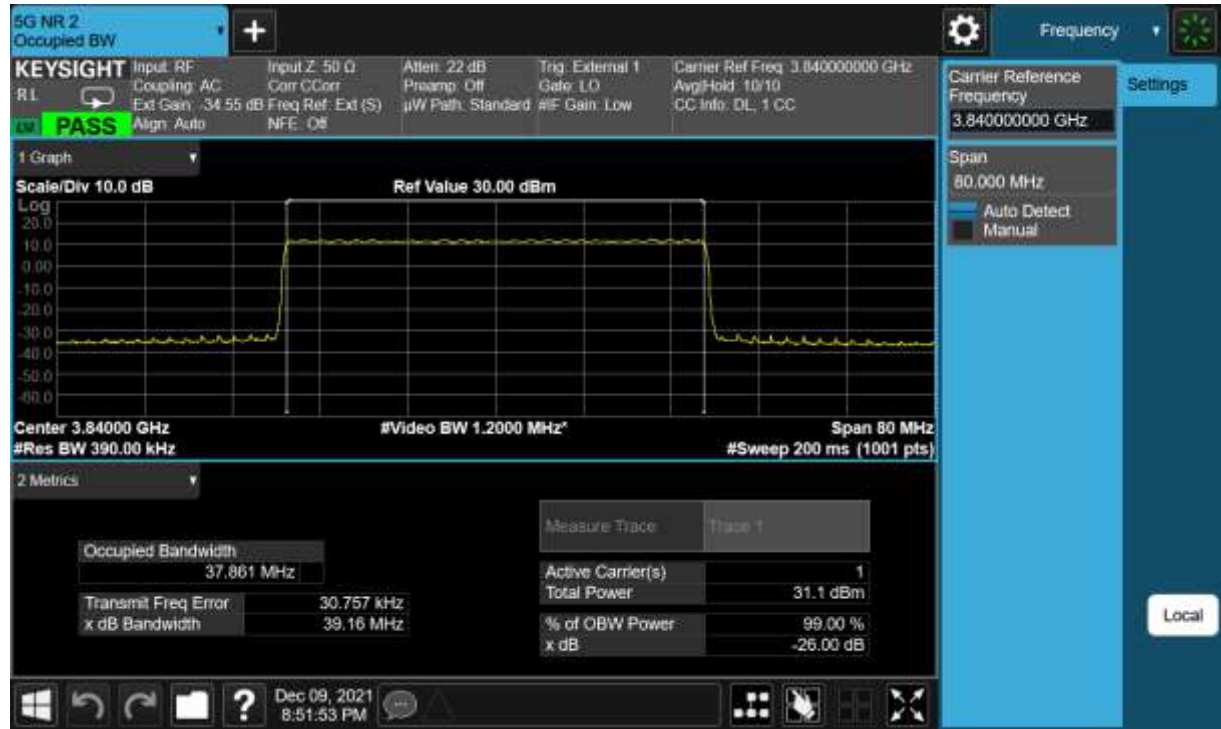


11.14 Figure Configuration 2_TM3.1

11.14.1 Figure Configuration 2_TM3.1_B



11.14.2 Figure Configuration 2_TM3.1_M

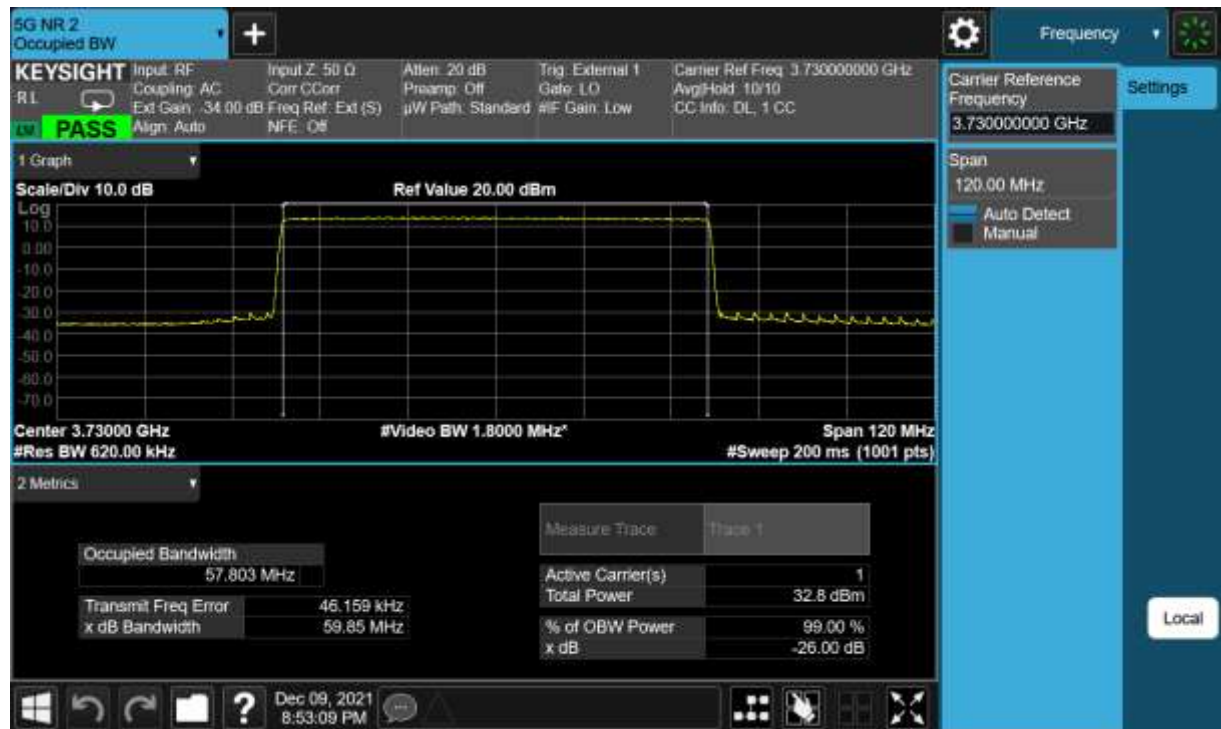


11.14.3 Figure Configuration 2_TM3.1_T

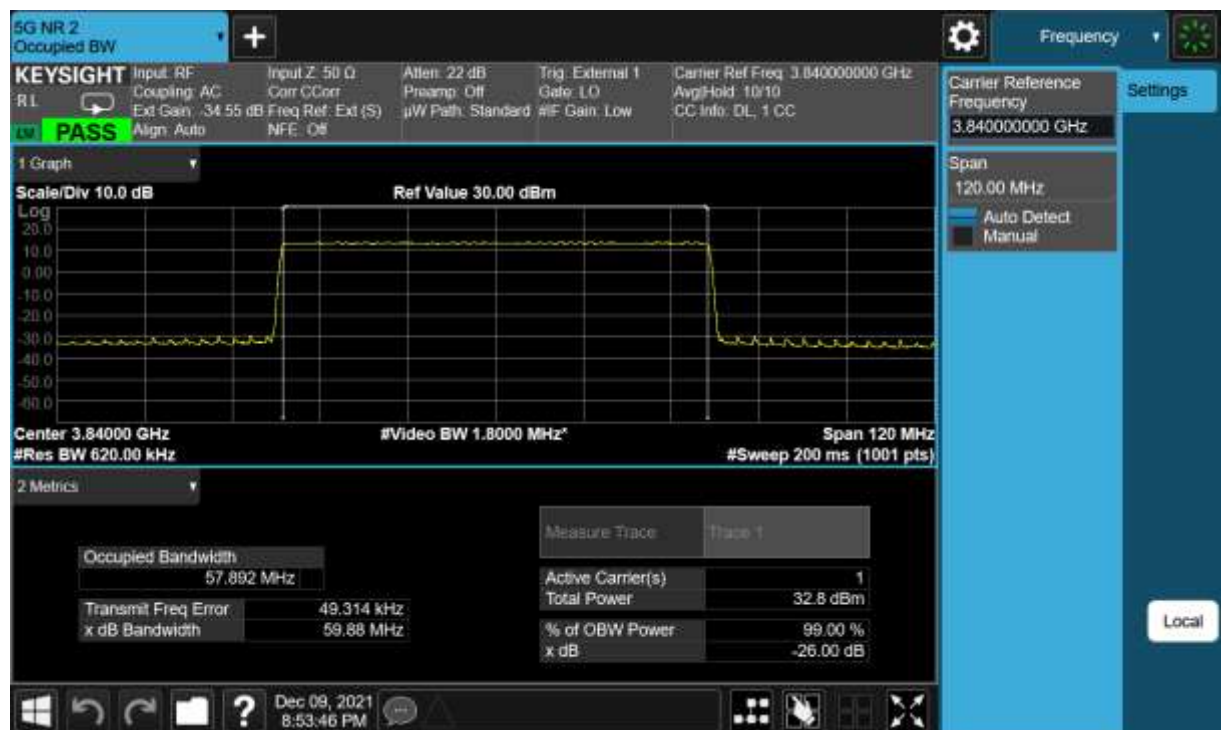


11.15 Figure Configuration 3_TM3.1

11.15.1 Figure Configuration 3_TM3.1_B



11.15.2 Figure Configuration 3_TM3.1_M

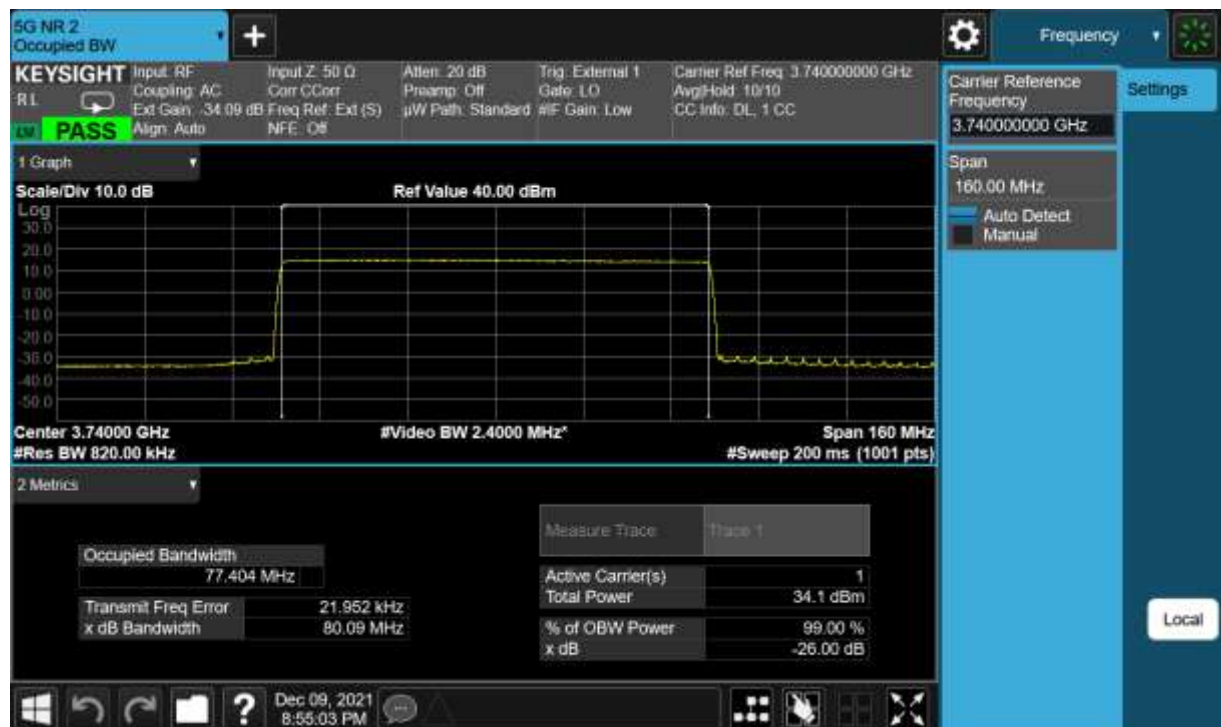


11.15.3 Figure Configuration 3_TM3.1_T

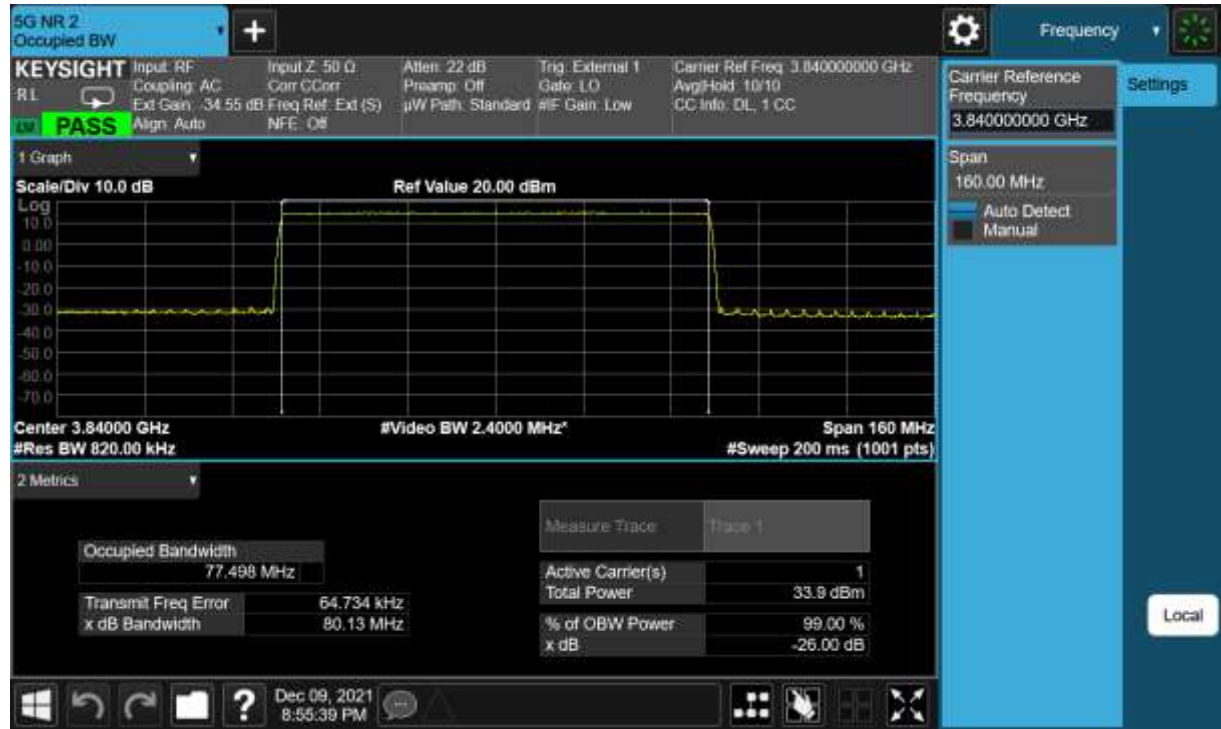


11.16 Figure Configuration 4_TM3.1

11.16.1 Figure Configuration 4_TM3.1_B



11.16.2 Figure Configuration 4_TM3.1_M

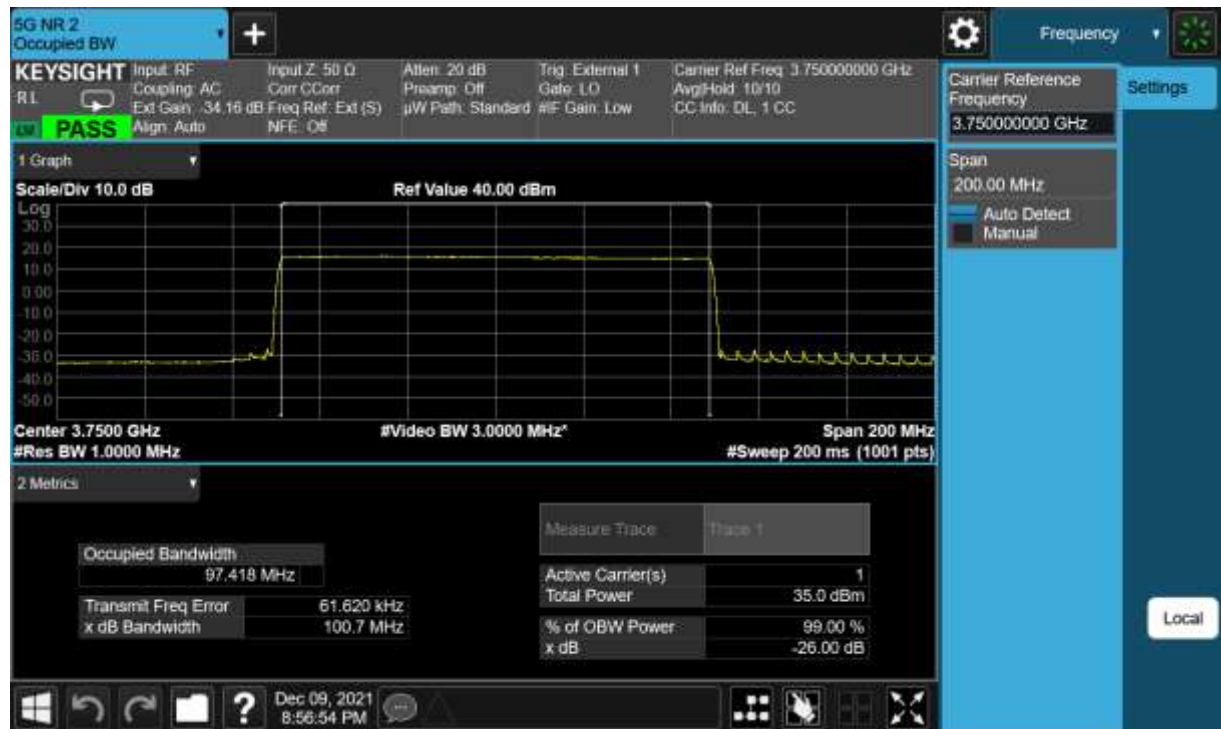


11.16.3 Figure Configuration 4_TM3.1_T

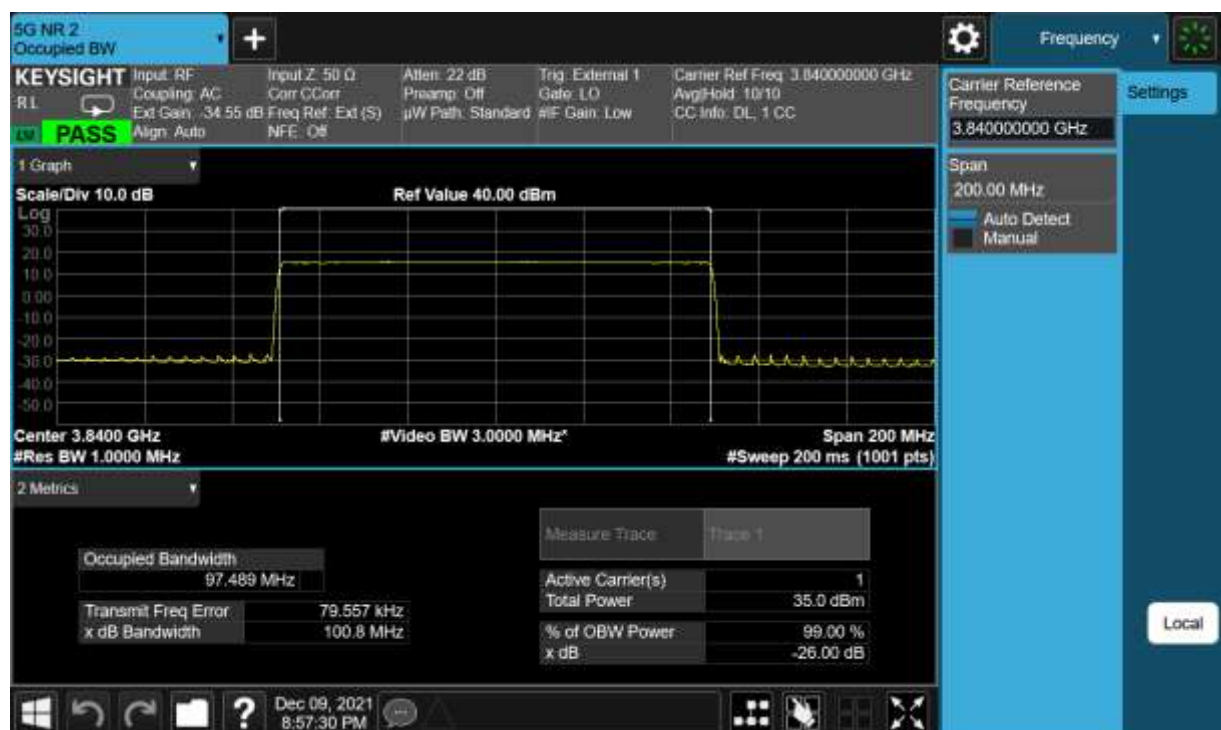


11.17 Figure Configuration 5_TM3.1

11.17.1 Figure Configuration 5_TM3.1_B



11.17.2 Figure Configuration 5_TM3.1_M

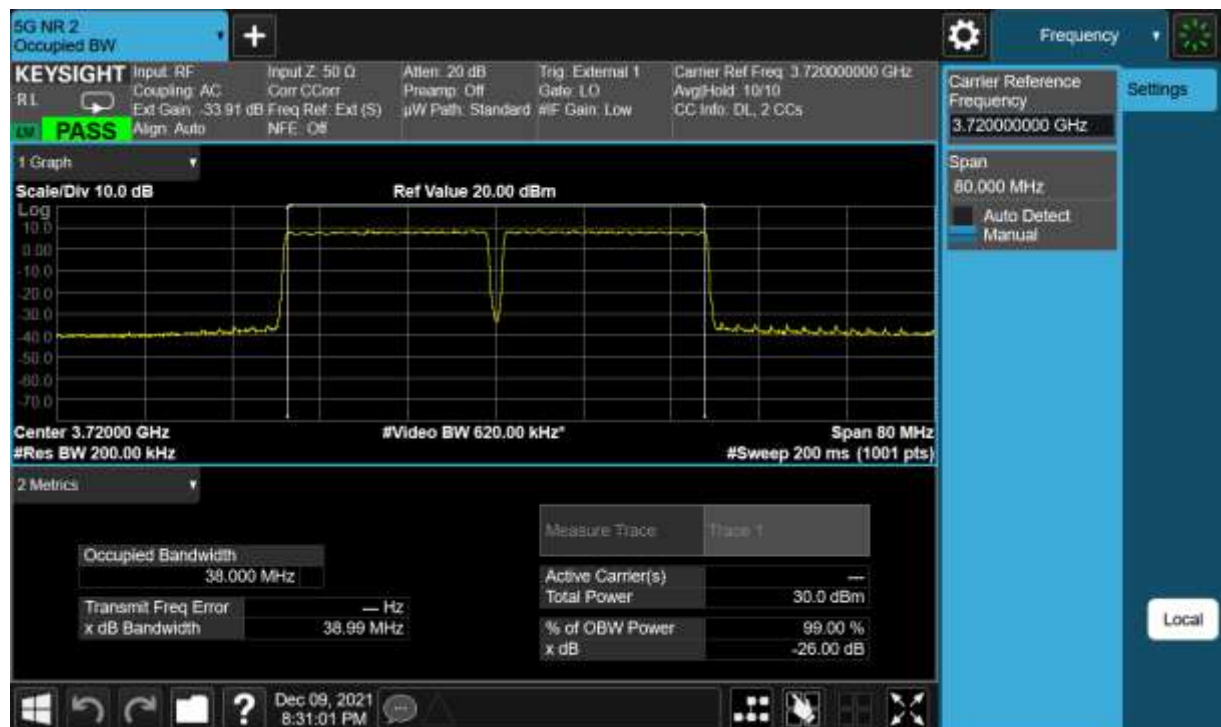


11.17.3 Figure Configuration 5_TM3.1_T

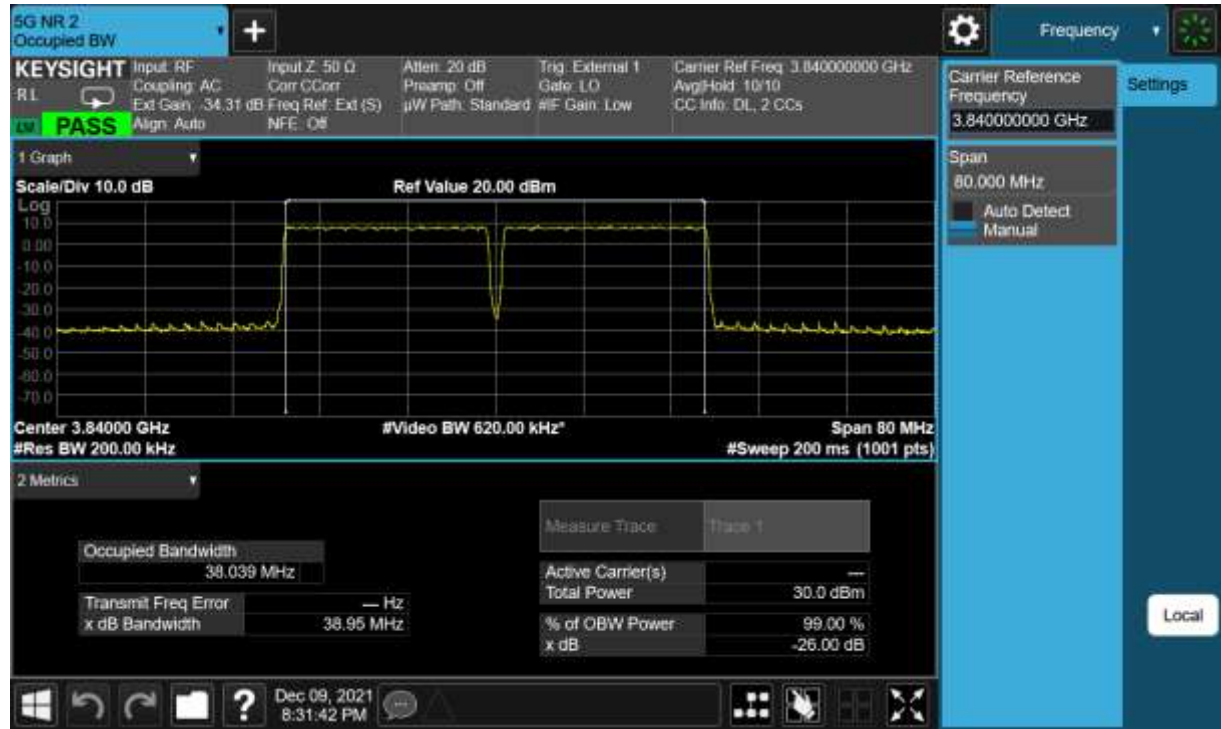


11.18 Figure Configuration 11_TM3.1

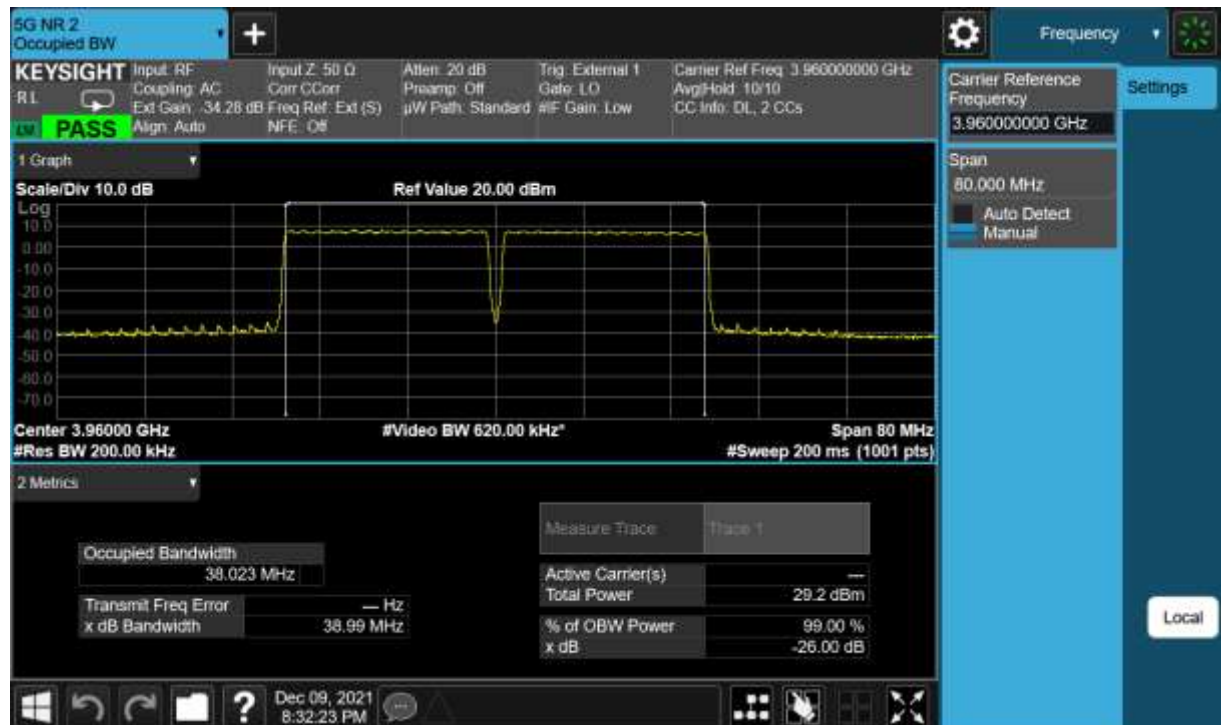
11.18.1 Figure Configuration 11_TM3.1_B



11.18.2 Figure Configuration 11_TM3.1_M

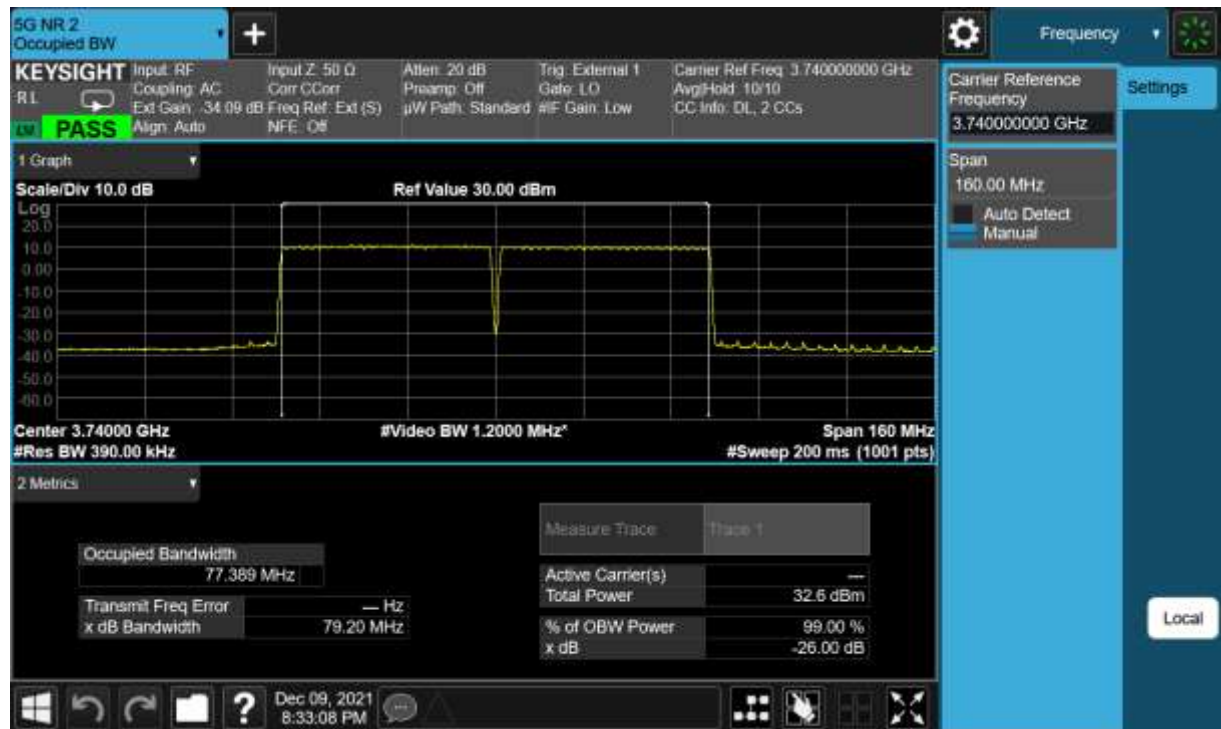


11.18.3 Figure Configuration 11_TM3.1_T

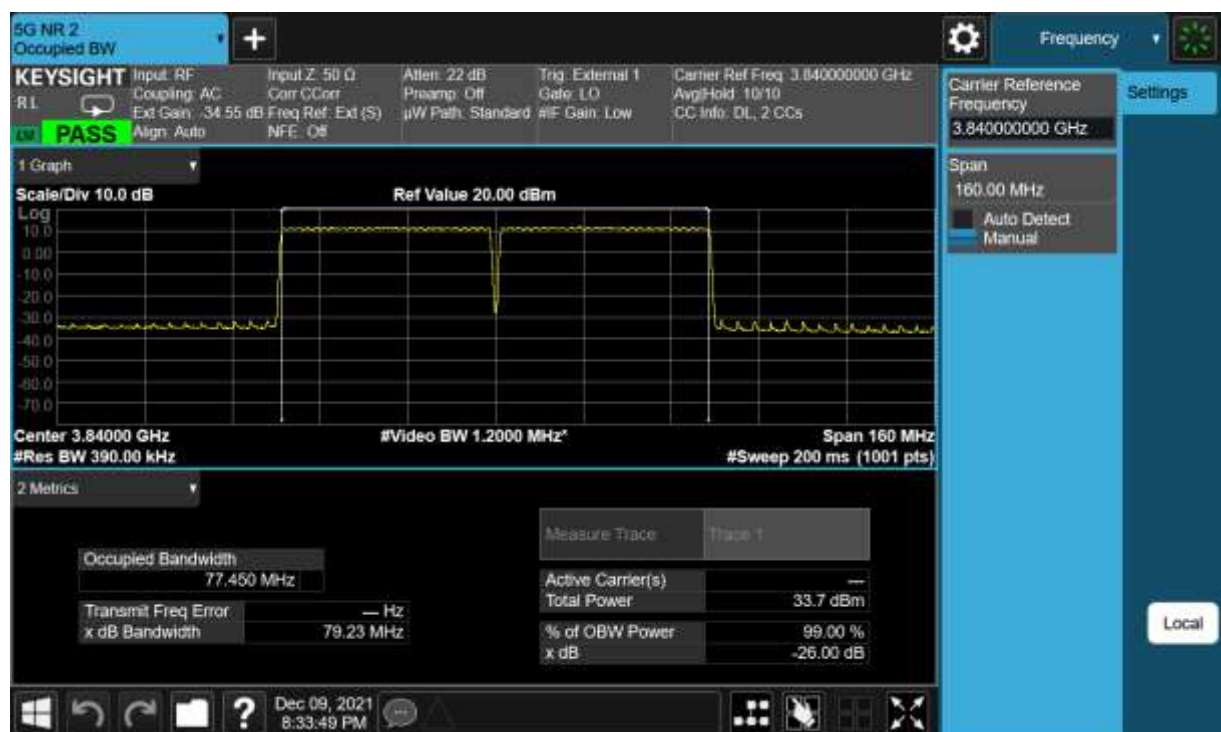


11.19 Figure Configuration 12_TM3.1

11.19.1 Figure Configuration 12_TM3.1_B



11.19.2 Figure Configuration 12_TM3.1_M

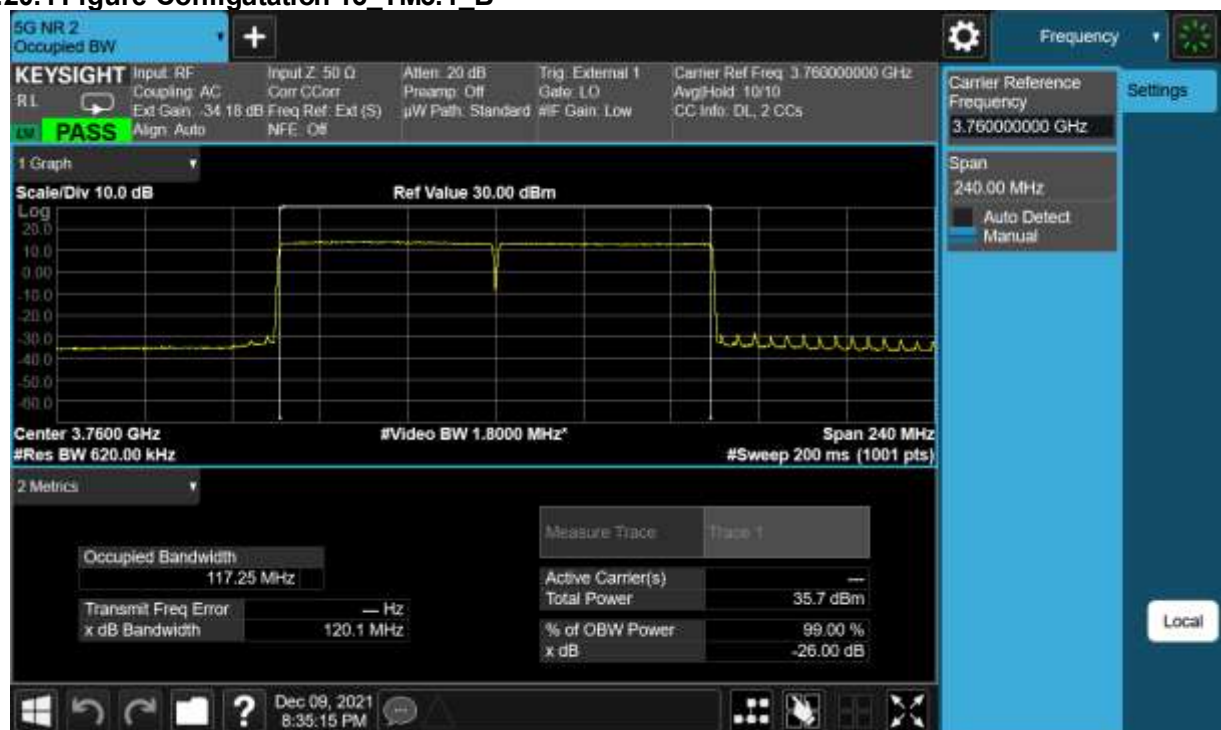


11.19.3 Figure Configuration 12_TM3.1_T



11.20 Figure Configuration 13_TM3.1

11.20.1 Figure Configuration 13_TM3.1 B



11.20.2 Figure Configuration 13_TM3.1_M

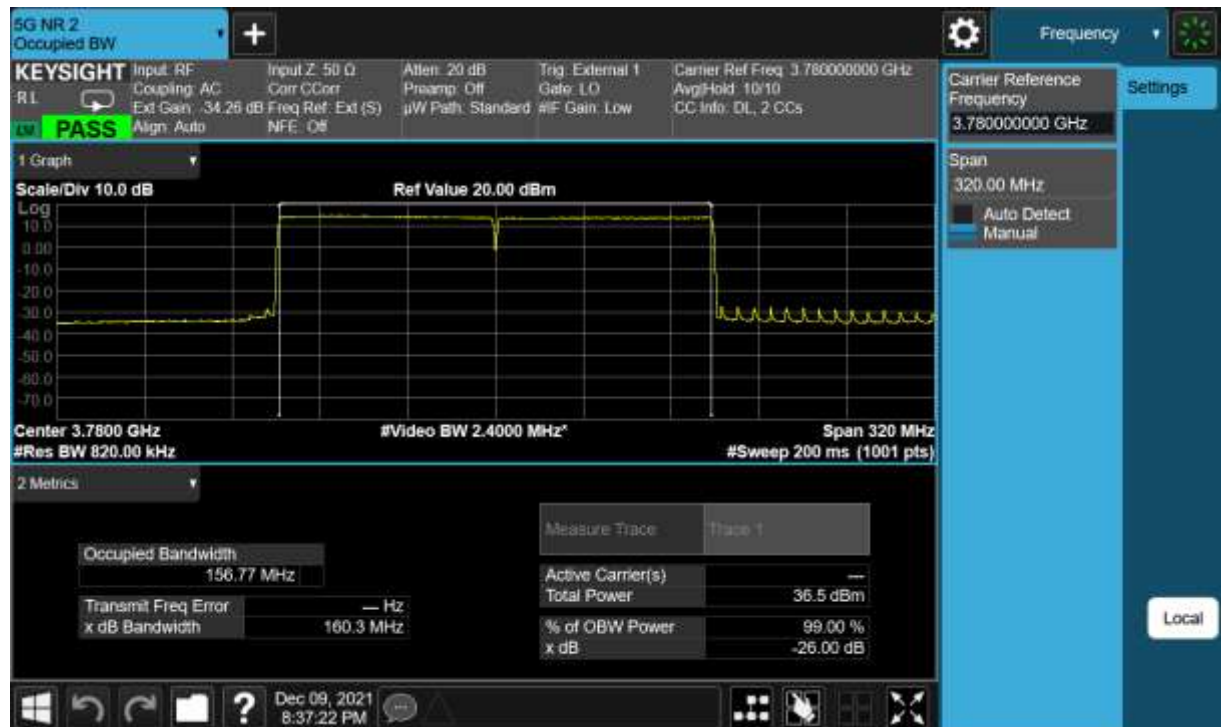


11.20.3 Figure Configuration 13_TM3.1_T

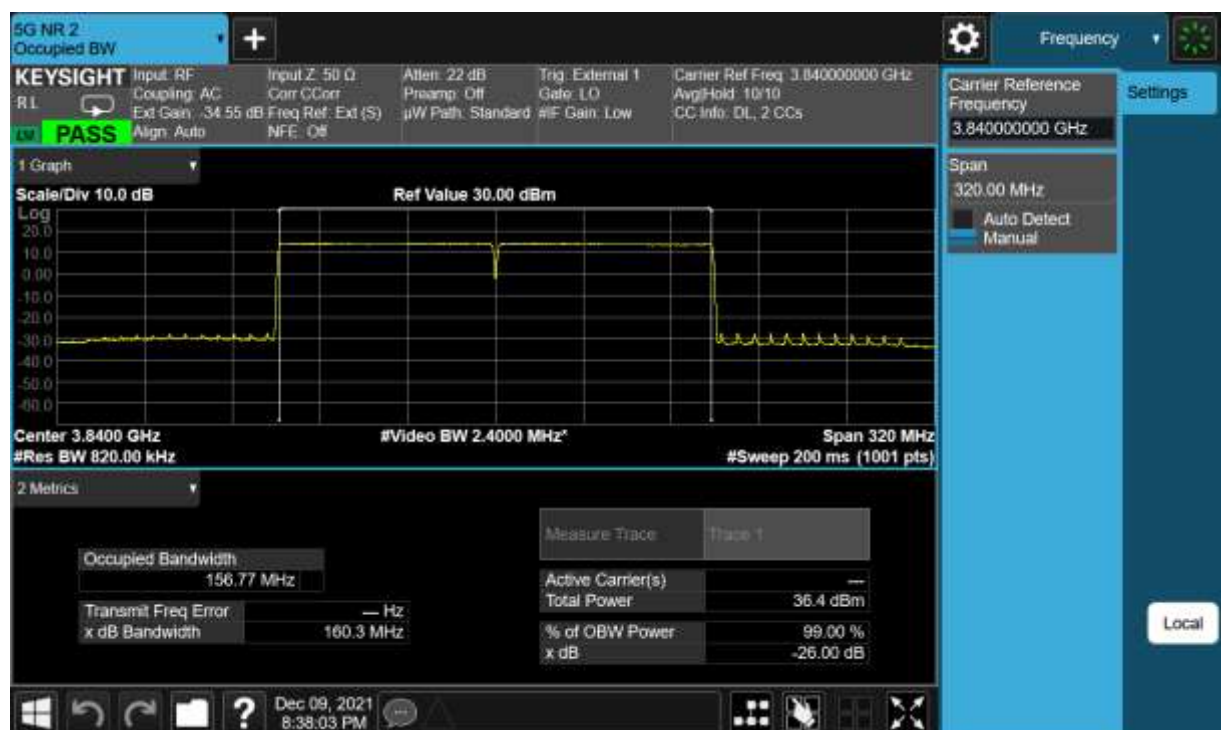


11.21 Figure Configuration 14_TM3.1

11.21.1 Figure Configuration 14_TM3.1_B



11.21.2 Figure Configuration 14_TM3.1_M

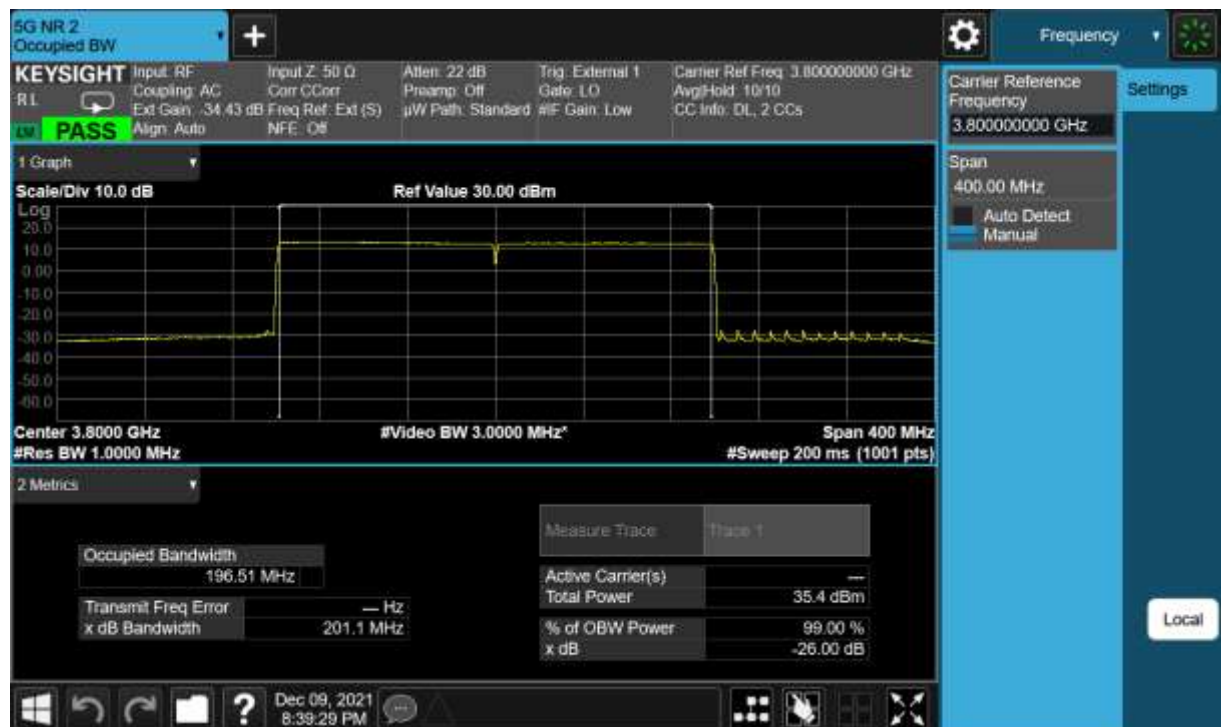


11.21.3 Figure Configuration 14_TM3.1_T

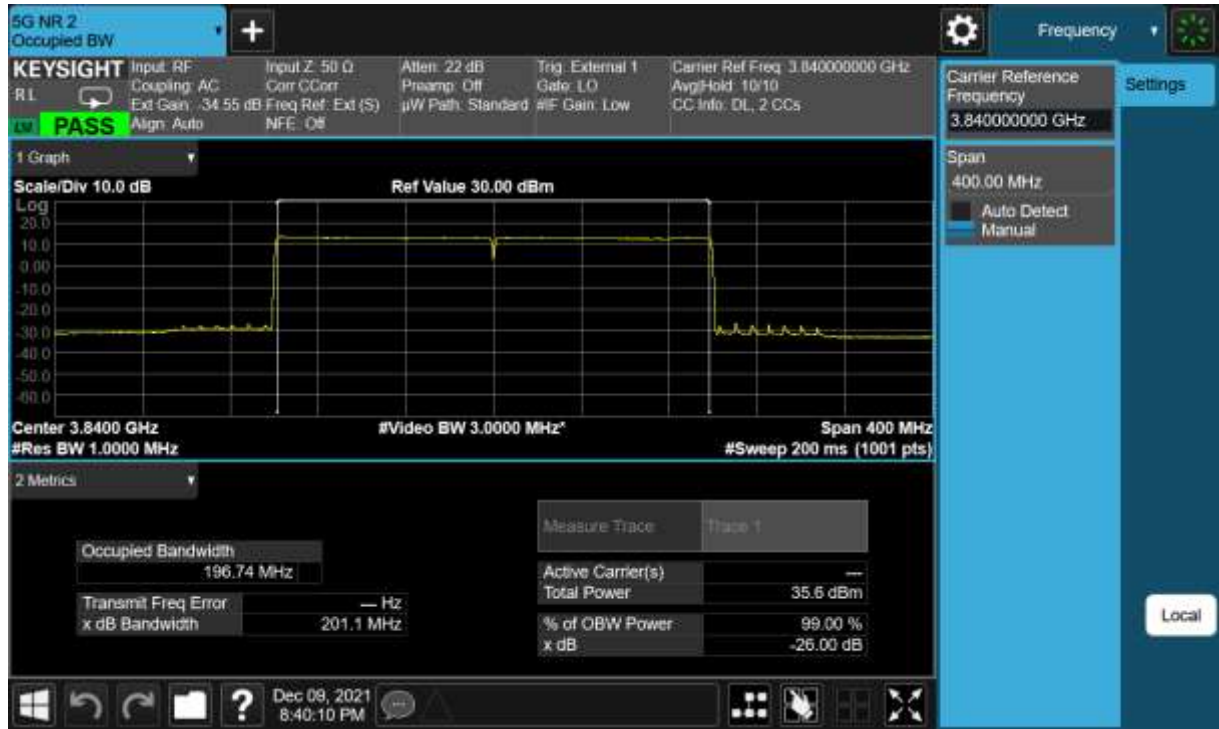


11.22 Figure Configuration 15_TM3.1

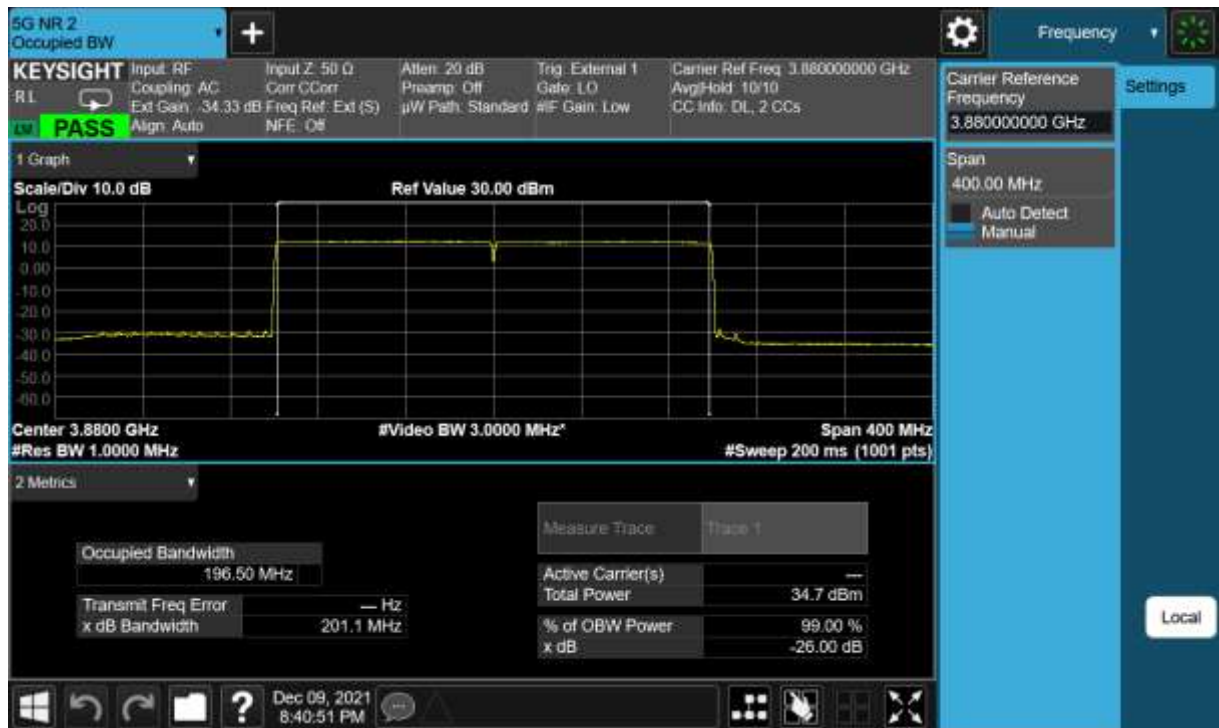
11.22.1 Figure Configuration 15_TM3.1_B



11.22.2 Figure Configuration 15_TM3.1_M



11.22.3 Figure Configuration 15_TM3.1_T



Variant:

SCS 60

11.23 Figure Configuration 1_TM3.1a

11.23.1 Figure Configuration 1_TM3.1a_B



11.23.2 Figure Configuration 1_TM3.1a_M



11.23.3 Figure Configuration 1_TM3.1a_T



11.24 Figure Configuration 11_TM3.1a

11.24.1 Figure Configuration 11_TM3.1a_M



11.25 Figure Configuration 2_TM3.1a

11.25.1 Figure Configuration 2_TM3.1a_B



11.25.2 Figure Configuration 2_TM3.1a_M



11.25.3 Figure Configuration 2_TM3.1a_T



11.26 Figure Configuration 12_TM3.1a

11.26.1 Figure Configuration 12_TM3.1a_M



11.27 Figure Configuration 3_TM3.1a

11.27.1 Figure Configuration 3_TM3.1a_B



11.27.2 Figure Configuration 3_TM3.1a_M



11.27.3 Figure Configuration 3_TM3.1a_T



11.28 Figure Configuration 13_TM3.1a

11.28.1 Figure Configuration 13_TM3.1a_M



11.29 Figure Configuration 4_TM3.1a

11.29.1 Figure Configuration 4_TM3.1a_B



11.29.2 Figure Configuration 4_TM3.1a_M



11.29.3 Figure Configuration 4_TM3.1a_T



11.30 Figure Configuration 14_TM3.1a

11.30.1 Figure Configuration 14_TM3.1a_M



11.31 Figure Configuration 5_TM3.1a

11.31.1 Figure Configuration 5_TM3.1a_B



11.31.2 Figure Configuration 5_TM3.1a_B



11.31.3 Figure Configuration 5_TM3.1a_T



11.32 Figure Configuration 15_TM3.1a

11.32.1 Figure Configuration 15_TM3.1a_M



SCS 30

11.33 Figure Configuration 5_TM3.1a

11.33.1 Figure Configuration 5_TM3.1a_B



11.33.2 Figure Configuration 5_TM3.1a_M



11.33.3 Figure Configuration 5_TM3.1a_T



11.34 Figure Configuration 15_TM3.1a

11.34.1 Figure Configuration 15_TM3.1a_M



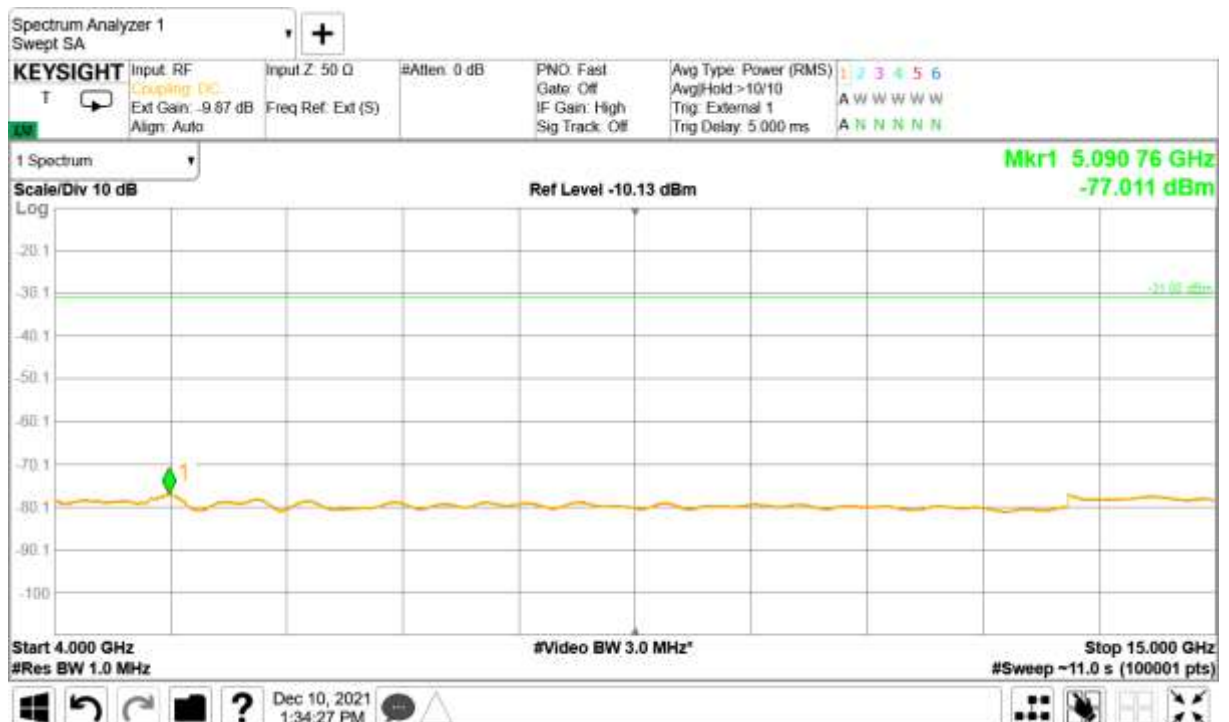
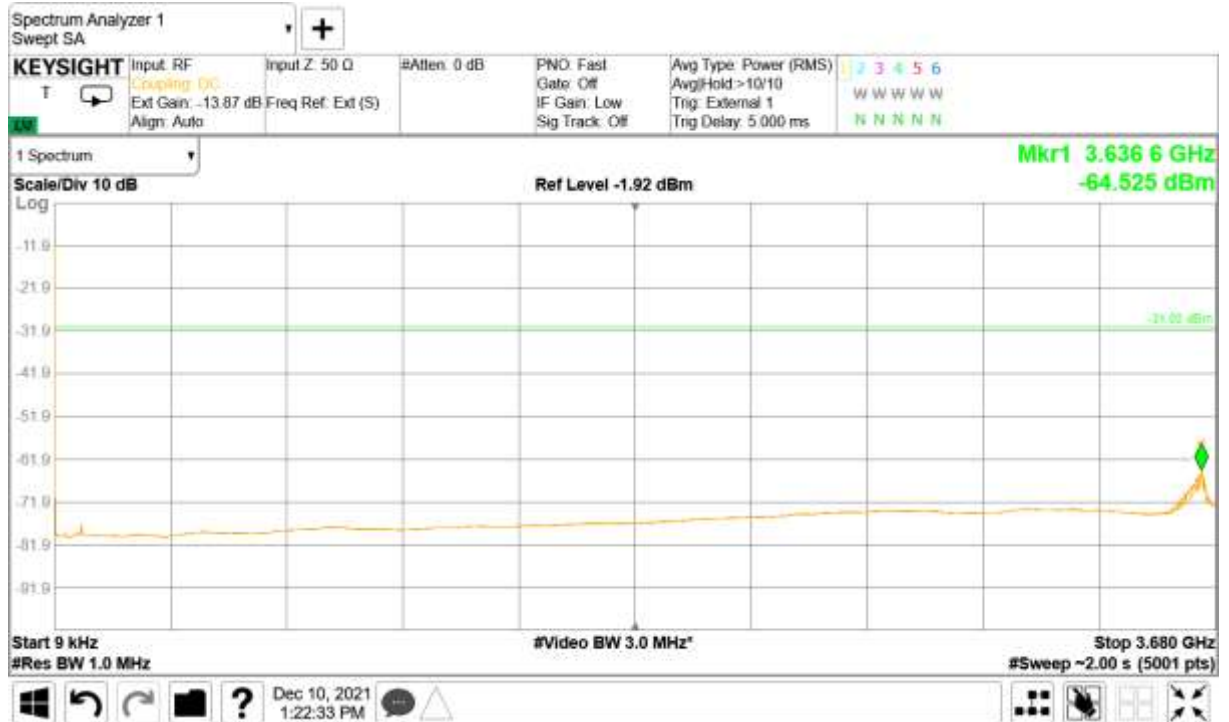
Test Item 5
SPURIOUS EMISSIONS AT ANTENNA TERMINALS

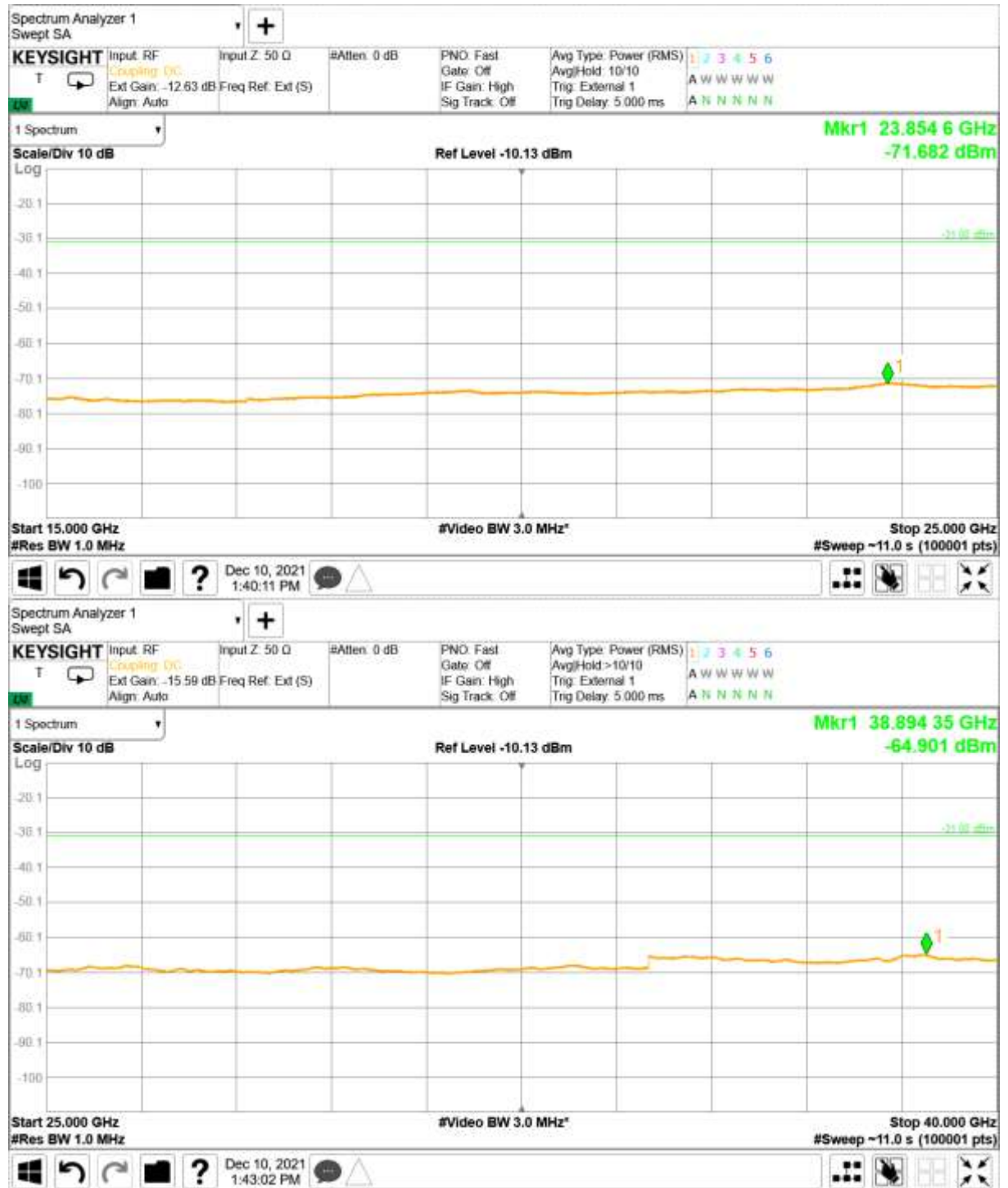
12 Result Table

Test Item	Test Environment	EUT Config.	Measured CH	Test Model	Result
SPURIOUS EMISSIONS AT ANTENNA TERMINALS	NTNV	Conf. No. 11	CH24	TM3.1	Pass
		Conf. No. 13			Pass
		Conf. No. 15			Pass
		Conf. No. 15	CH3	TM3.1a	Pass

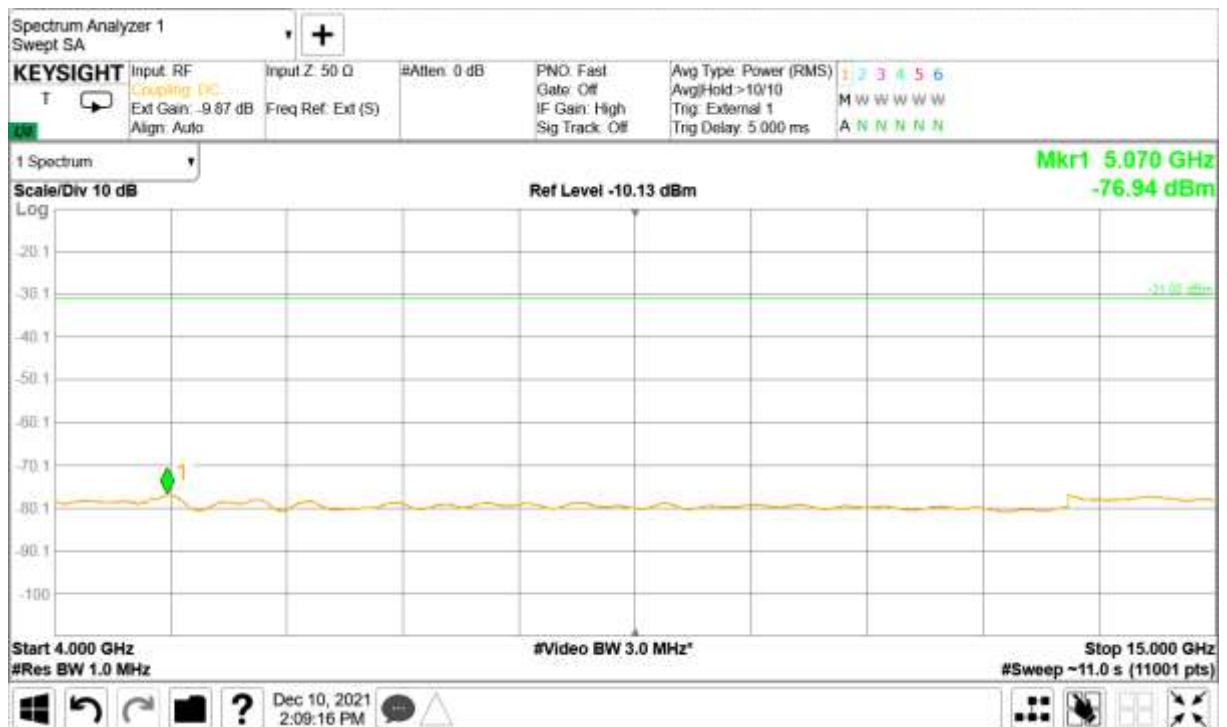
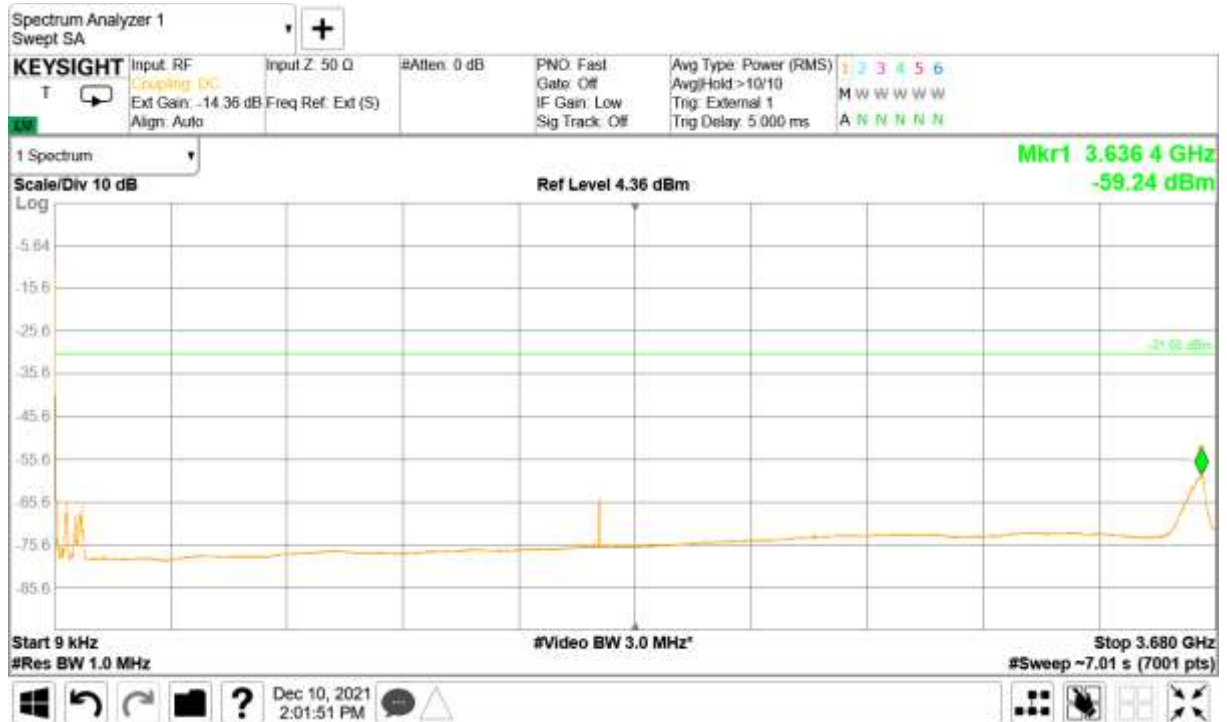
13 Test Plot

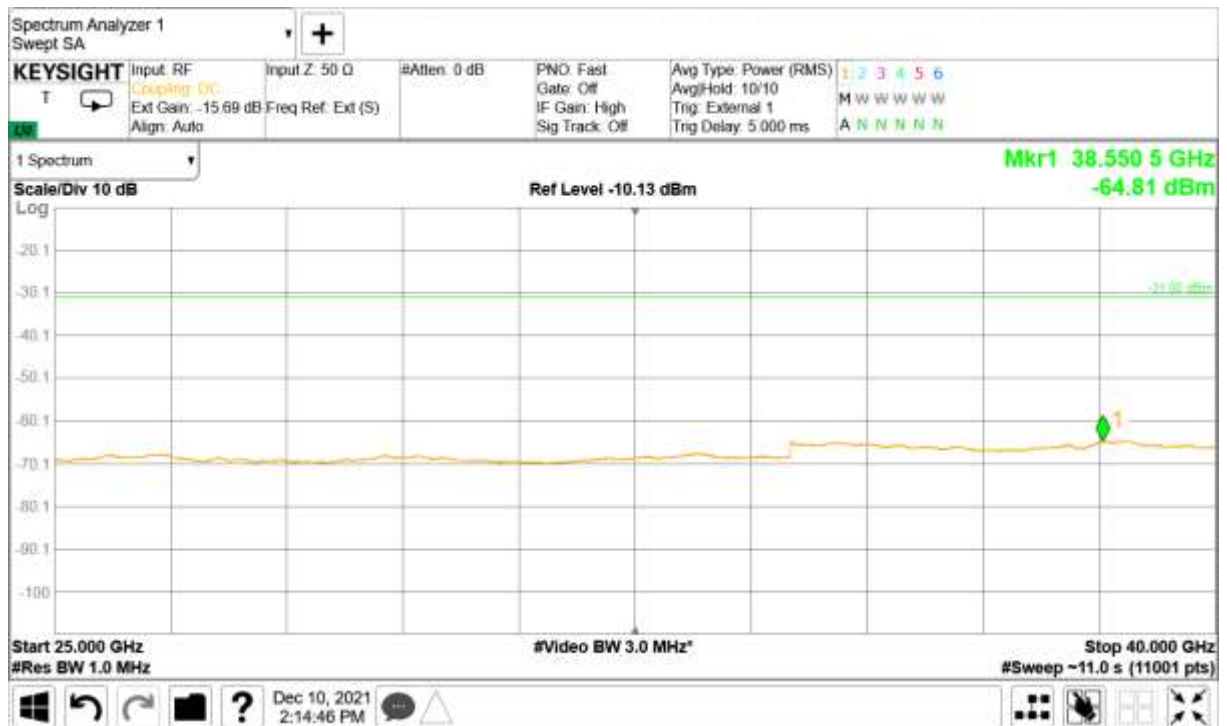
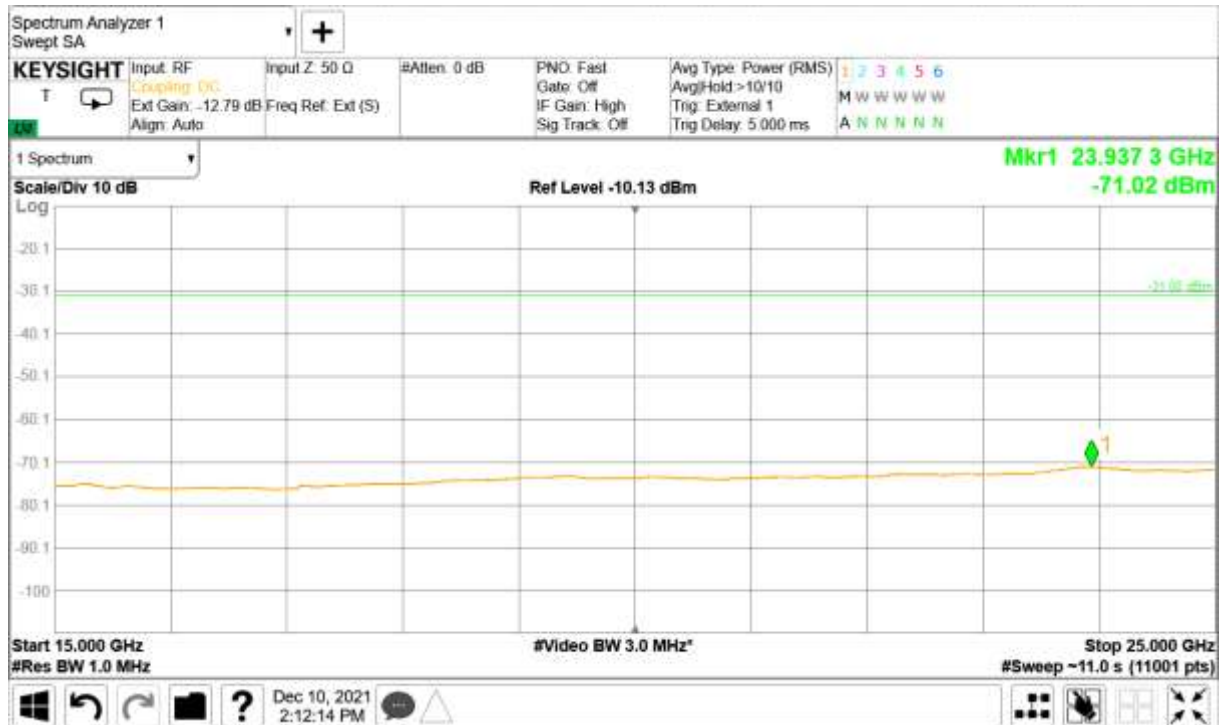
13.1 Figure Configuration 11_B



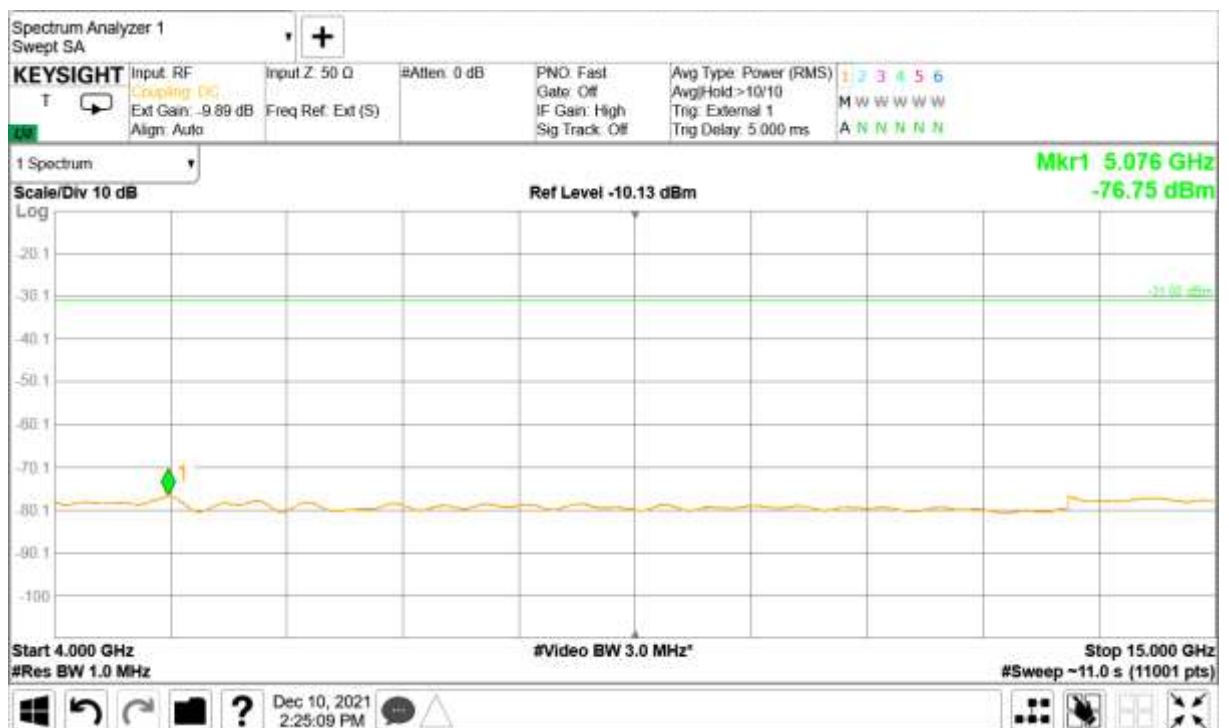
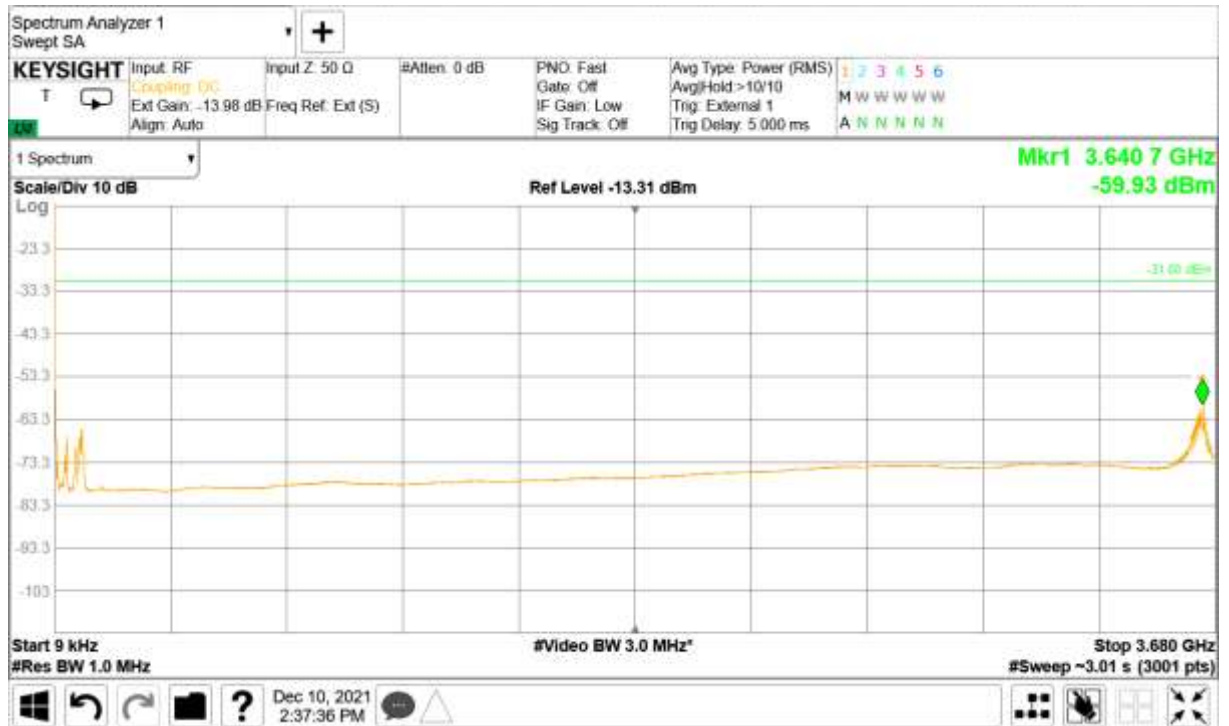


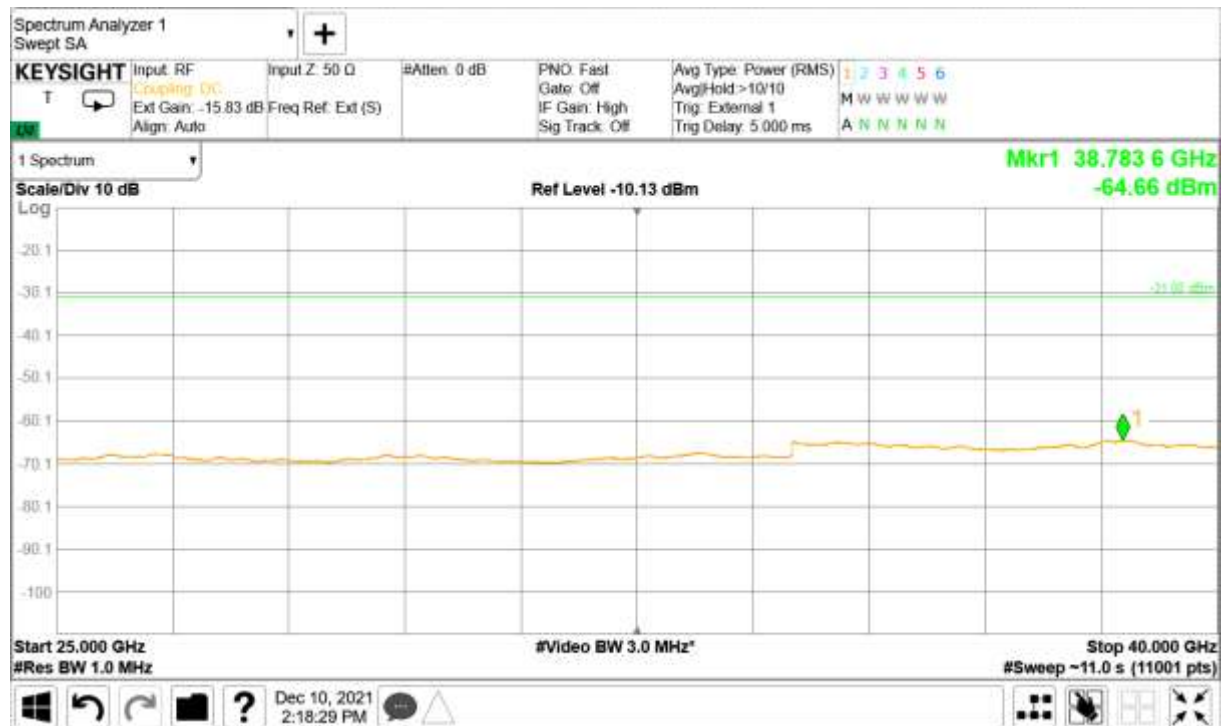
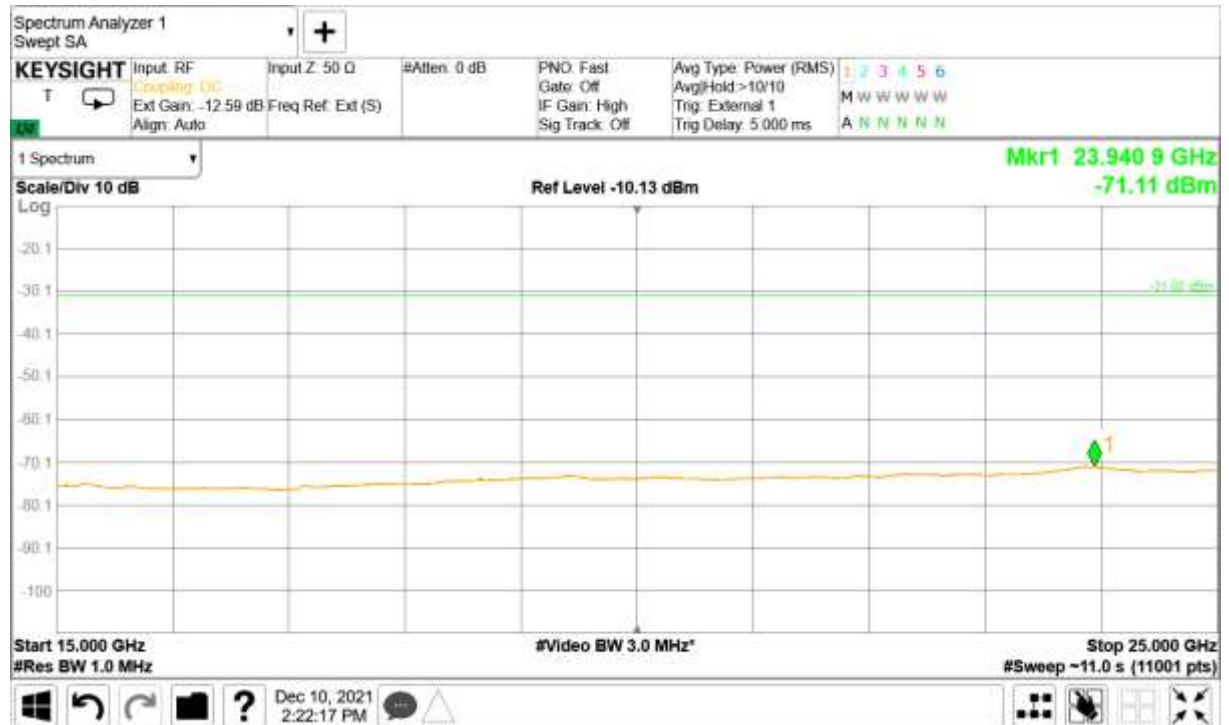
13.2 Figure Configuration 11_T



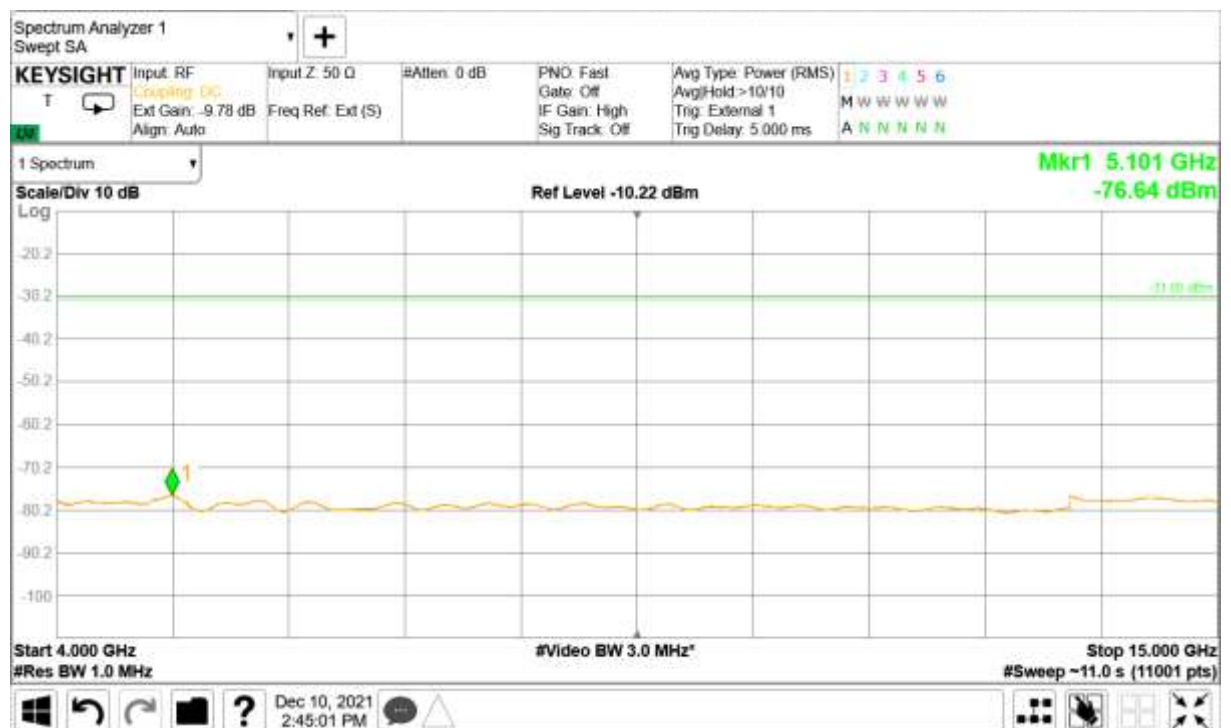
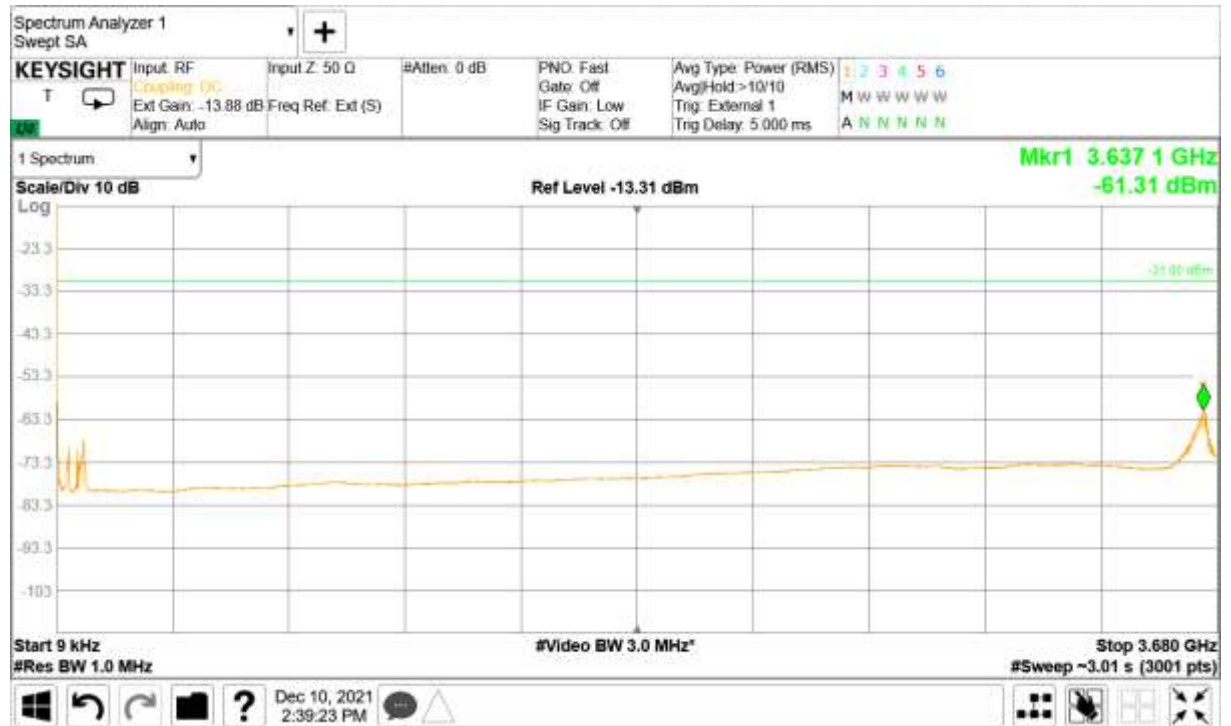


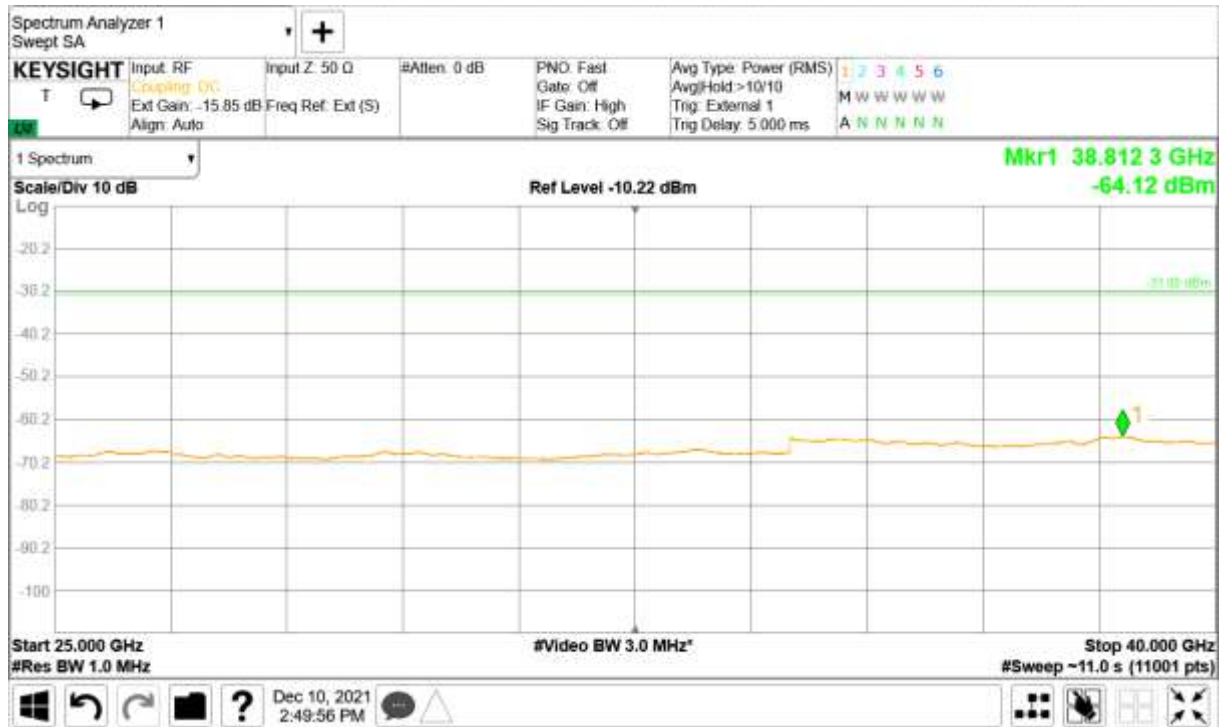
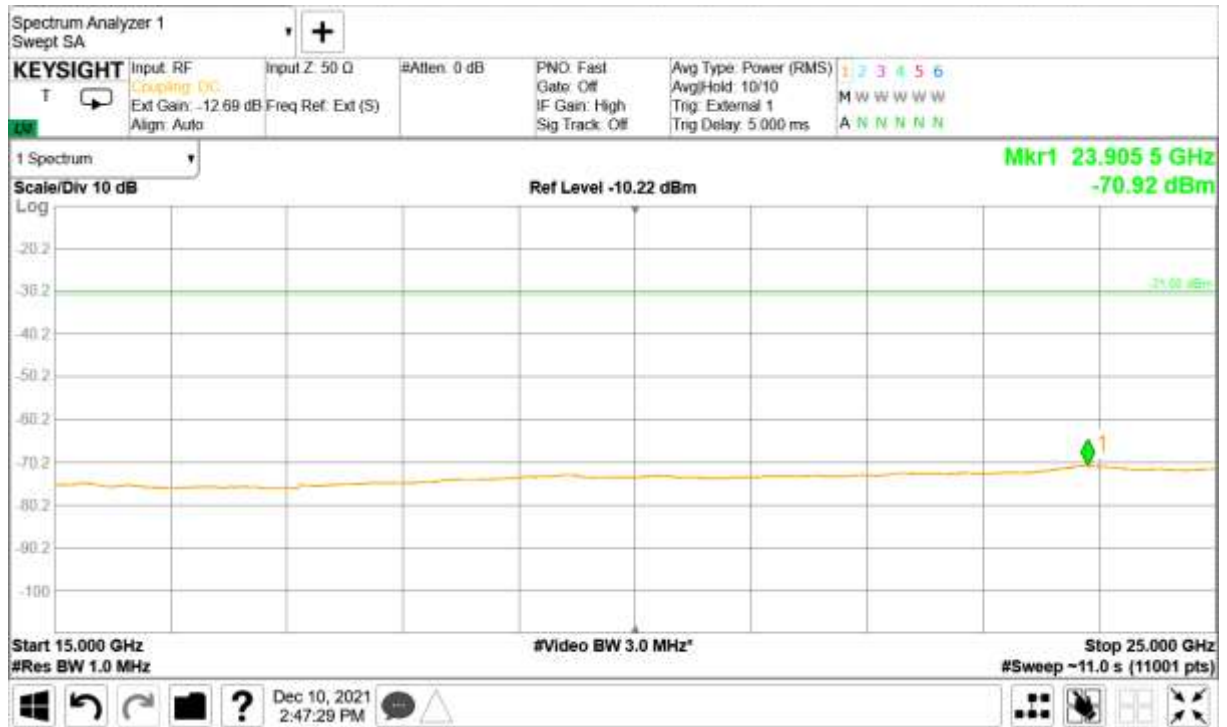
13.3 Figure Configuration 13_B



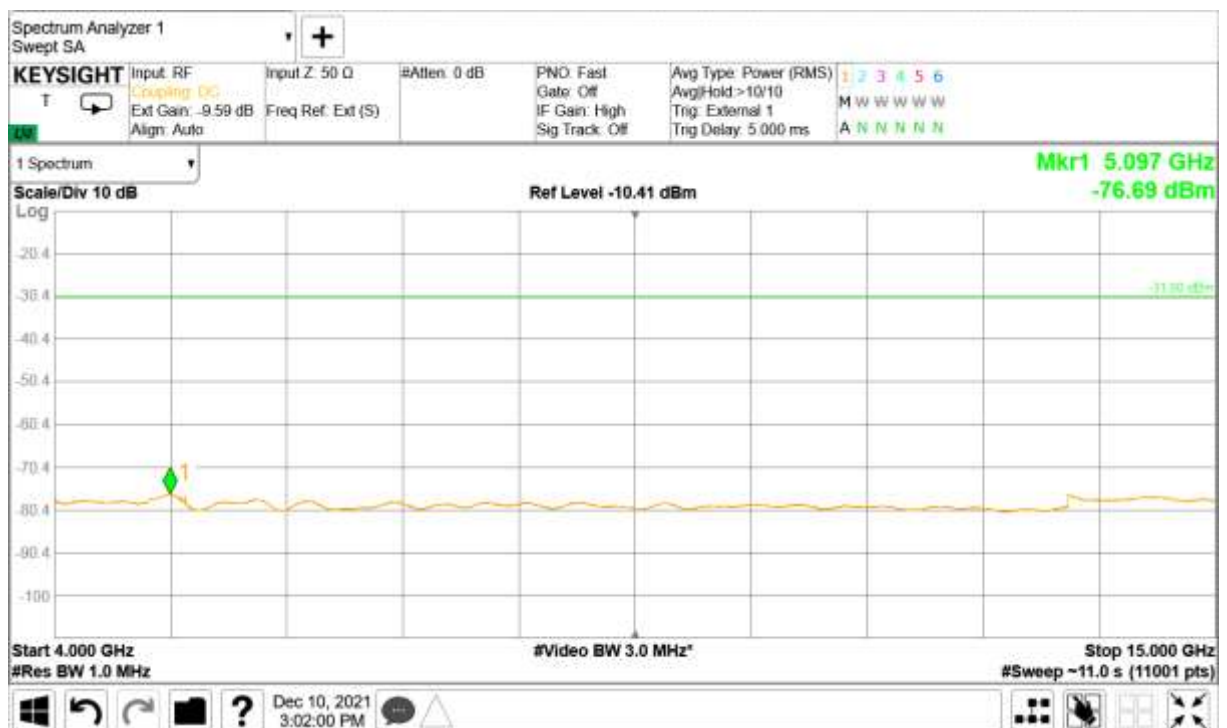
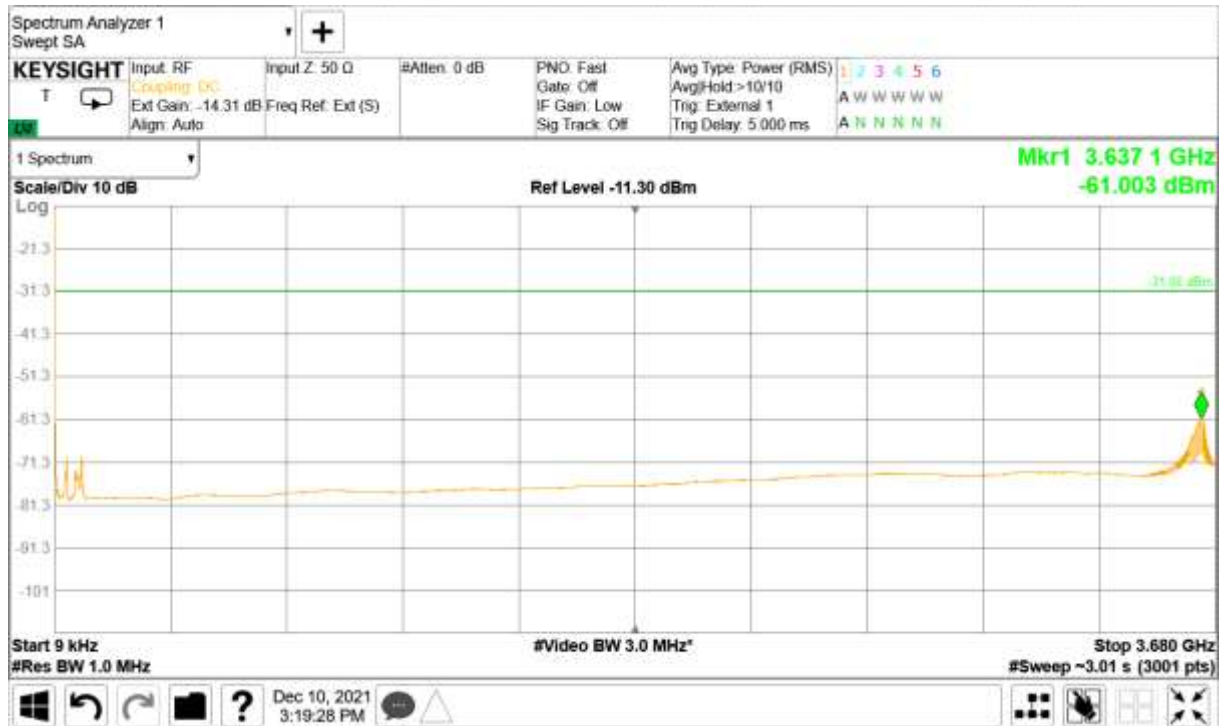


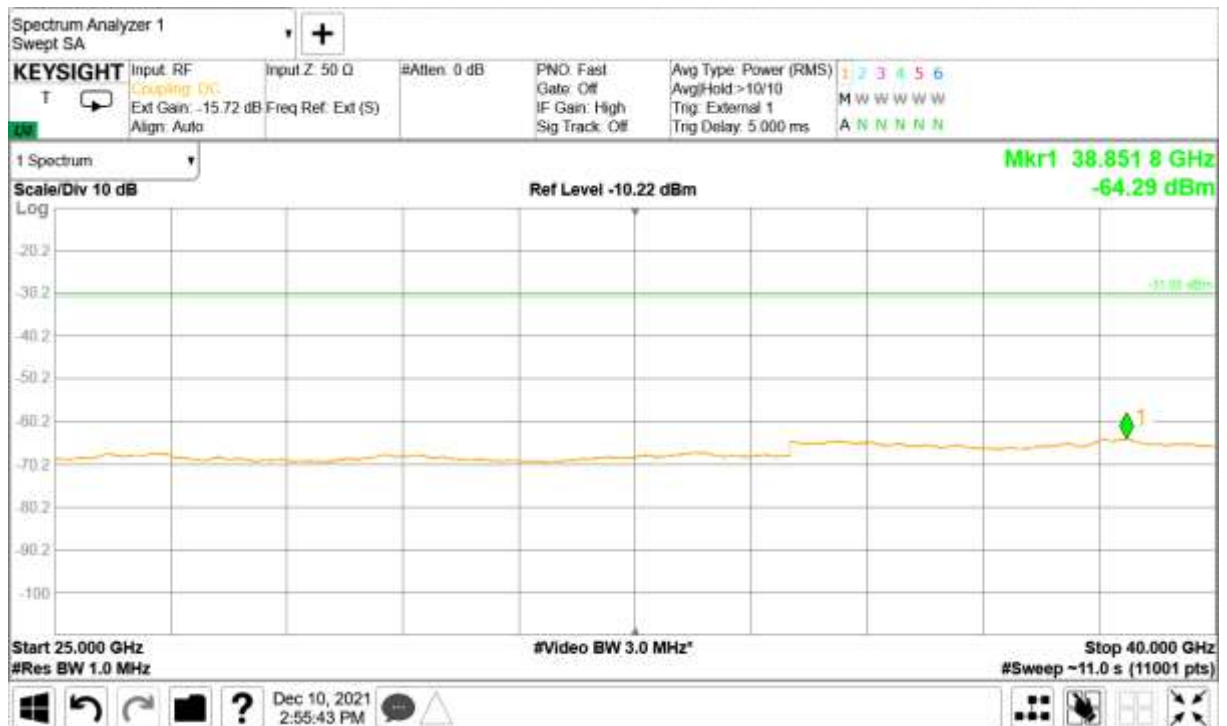
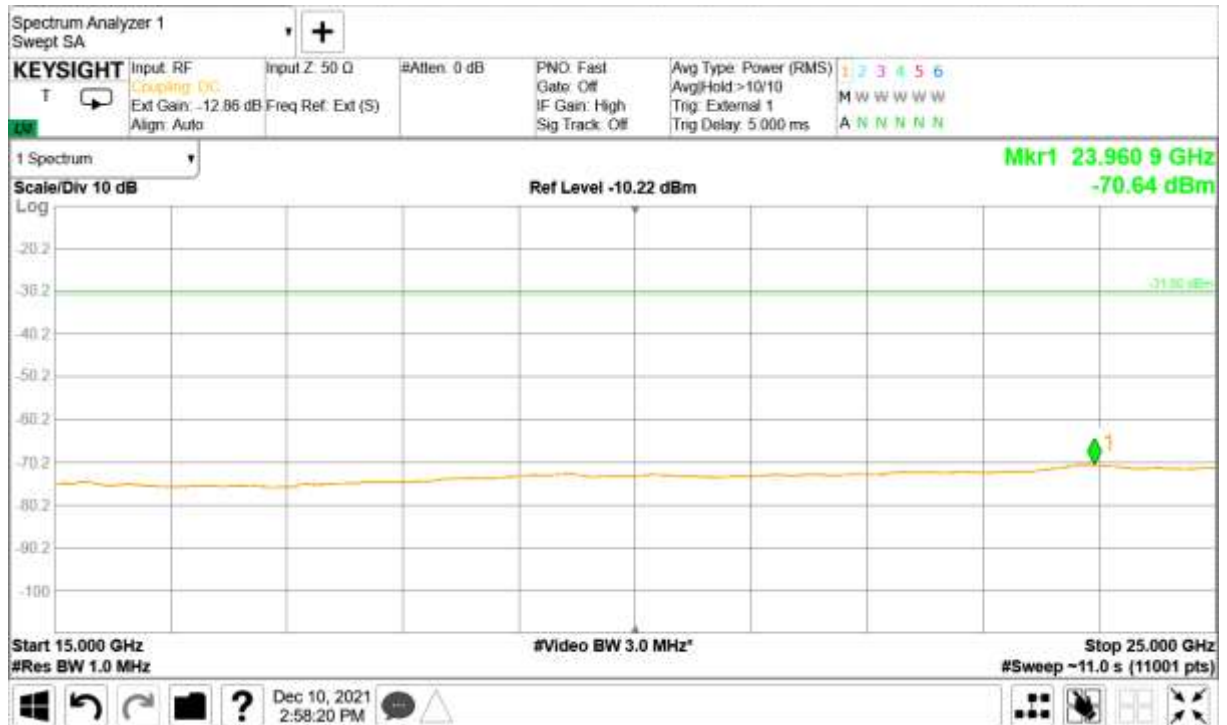
13.4 Figure Configuration 13_T





13.5 Figure Configuration 15_B





13.6 Figure Configuration 15_T

