

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39725	2503.5	15	1	37	23.24	26.30	< 33.01
40173	2548.3				22.65	25.71	< 33.01
40620	2593				23.12	26.18	< 33.01
41068	2637.8				22.48	25.54	< 33.01
41515	2682.5				22.57	25.63	< 33.01
39725	2503.5	15	1	74	22.96	26.02	< 33.01
40173	2548.3				22.54	25.60	< 33.01
40620	2593				22.73	25.79	< 33.01
41068	2637.8				22.33	25.39	< 33.01
41515	2682.5				22.51	25.57	< 33.01
39725	2503.5	15	36	0	22.15	25.21	< 33.01
40173	2548.3				21.89	24.95	< 33.01
40620	2593				21.60	24.66	< 33.01
41068	2637.8				21.58	24.64	< 33.01
41515	2682.5				21.59	24.65	< 33.01
39725	2503.5	15	36	19	22.35	25.41	< 33.01
40173	2548.3				21.81	24.87	< 33.01
40620	2593				21.61	24.67	< 33.01
41068	2637.8				21.56	24.62	< 33.01
41515	2682.5				21.62	24.68	< 33.01
39725	2503.5	15	36	39	22.26	25.32	< 33.01
40173	2548.3				21.84	24.90	< 33.01
40620	2593				21.56	24.62	< 33.01
41068	2637.8				21.53	24.59	< 33.01
41515	2682.5				21.68	24.74	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39725	2503.5	15	75	0	22.26	25.32	< 33.01
40173	2548.3				21.87	24.93	< 33.01
40620	2593				21.58	24.64	< 33.01
41068	2637.8				21.52	24.58	< 33.01
41515	2682.5				21.61	24.67	< 33.01
39750	2506	20	1	0	22.95	26.01	< 33.01
40185	2549.5				23.03	26.09	< 33.01
40620	2593				22.68	25.74	< 33.01
41055	2636.5				22.73	25.79	< 33.01
41490	2680				22.62	25.68	< 33.01
39750	2506	20	1	49	23.10	26.16	< 33.01
40185	2549.5				23.06	26.12	< 33.01
40620	2593				22.83	25.89	< 33.01
41055	2636.5				22.76	25.82	< 33.01
41490	2680				22.86	25.92	< 33.01
39750	2506	20	1	99	23.06	26.12	< 33.01
40185	2549.5				22.74	25.80	< 33.01
40620	2593				22.75	25.81	< 33.01
41055	2636.5				22.49	25.55	< 33.01
41490	2680				22.68	25.74	< 33.01
39750	2506	20	50	0	22.31	25.37	< 33.01
40185	2549.5				21.87	24.93	< 33.01
40620	2593				21.79	24.85	< 33.01
41055	2636.5				21.59	24.65	< 33.01
41490	2680				21.72	24.78	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39750	2506	20	50	24	22.28	25.34	< 33.01
40185	2549.5				21.75	24.81	< 33.01
40620	2593				21.54	24.60	< 33.01
41055	2636.5				21.54	24.60	< 33.01
41490	2680				21.61	24.67	< 33.01
39750	2506	20	50	50	22.12	25.18	< 33.01
40185	2549.5				21.78	24.84	< 33.01
40620	2593				21.70	24.76	< 33.01
41055	2636.5				21.50	24.56	< 33.01
41490	2680				21.58	24.64	< 33.01
39750	2506	20	100	0	22.30	25.36	< 33.01
40185	2549.5				21.81	24.87	< 33.01
40620	2593				21.75	24.81	< 33.01
41055	2636.5				21.55	24.61	< 33.01
41490	2680				21.69	24.75	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39675	2498.5	5	1	0	21.89	24.95	< 33.01
40148	2545.8				21.61	24.67	< 33.01
40620	2593				20.91	23.97	< 33.01
41093	2640.3				20.84	23.90	< 33.01
41565	2687.5				21.42	24.48	< 33.01
39675	2498.5	5	1	12	22.36	25.42	< 33.01
40148	2545.8				21.75	24.81	< 33.01
40620	2593				20.98	24.04	< 33.01
41093	2640.3				21.10	24.16	< 33.01
41565	2687.5				22.13	25.19	< 33.01
39675	2498.5	5	1	24	21.91	24.97	< 33.01
40148	2545.8				21.57	24.63	< 33.01
40620	2593				21.00	24.06	< 33.01
41093	2640.3				20.77	23.83	< 33.01
41565	2687.5				21.45	24.51	< 33.01
39675	2498.5	5	12	0	21.16	24.22	< 33.01
40148	2545.8				20.93	23.99	< 33.01
40620	2593				20.56	23.62	< 33.01
41093	2640.3				20.57	23.63	< 33.01
41565	2687.5				20.66	23.72	< 33.01
39675	2498.5	5	12	6	21.35	24.41	< 33.01
40148	2545.8				20.95	24.01	< 33.01
40620	2593				20.54	23.60	< 33.01
41093	2640.3				20.52	23.58	< 33.01
41565	2687.5				20.81	23.87	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39675	2498.5	5	12	13	21.31	24.37	< 33.01
40148	2545.8				20.94	24.00	< 33.01
40620	2593				20.53	23.59	< 33.01
41093	2640.3				20.91	23.97	< 33.01
41565	2687.5				20.66	23.72	< 33.01
39675	2498.5	5	25	0	21.28	24.34	< 33.01
40148	2545.8				20.70	23.76	< 33.01
40620	2593				20.50	23.56	< 33.01
41093	2640.3				20.59	23.65	< 33.01
41565	2687.5				20.79	23.85	< 33.01
39700	2501	10	1	0	21.73	24.79	< 33.01
40160	2547				22.35	25.41	< 33.01
40620	2593				21.83	24.89	< 33.01
41080	2639				20.94	24.00	< 33.01
41540	2685				22.48	25.54	< 33.01
39700	2501	10	1	24	21.78	24.84	< 33.01
40160	2547				22.68	25.74	< 33.01
40620	2593				22.03	25.09	< 33.01
41080	2639				20.82	23.88	< 33.01
41540	2685				22.51	25.57	< 33.01
39700	2501	10	1	49	21.87	24.93	< 33.01
40160	2547				22.75	25.81	< 33.01
40620	2593				22.04	25.10	< 33.01
41080	2639				20.68	23.74	< 33.01
41540	2685				22.57	25.63	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39700	2501	10	25	0	21.26	24.32	< 33.01
40160	2547				20.84	23.90	< 33.01
40620	2593				20.49	23.55	< 33.01
41080	2639				20.52	23.58	< 33.01
41540	2685				20.55	23.61	< 33.01
39700	2501	10	25	12	21.29	24.35	< 33.01
40160	2547				20.86	23.92	< 33.01
40620	2593				20.58	23.64	< 33.01
41080	2639				20.47	23.53	< 33.01
41540	2685				20.65	23.71	< 33.01
39700	2501	10	25	25	21.43	24.49	< 33.01
40160	2547				20.88	23.94	< 33.01
40620	2593				20.52	23.58	< 33.01
41080	2639				20.40	23.46	< 33.01
41540	2685				20.73	23.79	< 33.01
39700	2501	10	50	0	21.35	24.41	< 33.01
40160	2547				20.86	23.92	< 33.01
40620	2593				20.50	23.56	< 33.01
41080	2639				20.49	23.55	< 33.01
41540	2685				20.59	23.65	< 33.01
39725	2503.5	15	1	0	21.68	24.74	< 33.01
40173	2548.3				21.37	24.43	< 33.01
40620	2593				21.81	24.87	< 33.01
41068	2637.8				21.91	24.97	< 33.01
41515	2682.5				21.14	24.20	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39725	2503.5	15	1	37	21.97	25.03	< 33.01
40173	2548.3				21.49	24.55	< 33.01
40620	2593				21.69	24.75	< 33.01
41068	2637.8				21.82	24.88	< 33.01
41515	2682.5				21.05	24.11	< 33.01
39725	2503.5	15	1	74	21.37	24.43	< 33.01
40173	2548.3				21.11	24.17	< 33.01
40620	2593				21.64	24.70	< 33.01
41068	2637.8				21.77	24.83	< 33.01
41515	2682.5				20.97	24.03	< 33.01
39725	2503.5	15	36	0	21.14	24.20	< 33.01
40173	2548.3				20.94	24.00	< 33.01
40620	2593				20.37	23.43	< 33.01
41068	2637.8				20.33	23.39	< 33.01
41515	2682.5				20.56	23.62	< 33.01
39725	2503.5	15	36	19	21.29	24.35	< 33.01
40173	2548.3				20.86	23.92	< 33.01
40620	2593				20.40	23.46	< 33.01
41068	2637.8				20.30	23.36	< 33.01
41515	2682.5				20.61	23.67	< 33.01
39725	2503.5	15	36	39	21.22	24.28	< 33.01
40173	2548.3				20.86	23.92	< 33.01
40620	2593				20.38	23.44	< 33.01
41068	2637.8				20.24	23.30	< 33.01
41515	2682.5				20.56	23.62	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39725	2503.5	15	75	0	21.24	24.30	< 33.01
40173	2548.3				20.85	23.91	< 33.01
40620	2593				20.58	23.64	< 33.01
41068	2637.8				20.42	23.48	< 33.01
41515	2682.5				20.62	23.68	< 33.01
39750	2506	20	1	0	22.14	25.20	< 33.01
40185	2549.5				20.97	24.03	< 33.01
40620	2593				22.08	25.14	< 33.01
41055	2636.5				20.69	23.75	< 33.01
41490	2680				22.16	25.22	< 33.01
39750	2506	20	1	49	22.05	25.11	< 33.01
40185	2549.5				20.90	23.96	< 33.01
40620	2593				22.08	25.14	< 33.01
41055	2636.5				20.63	23.69	< 33.01
41490	2680				21.81	24.87	< 33.01
39750	2506	20	1	99	22.14	25.20	< 33.01
40185	2549.5				20.64	23.70	< 33.01
40620	2593				21.72	24.78	< 33.01
41055	2636.5				20.49	23.55	< 33.01
41490	2680				22.10	25.16	< 33.01
39750	2506	20	50	0	21.33	24.39	< 33.01
40185	2549.5				20.86	23.92	< 33.01
40620	2593				20.66	23.72	< 33.01
41055	2636.5				20.58	23.64	< 33.01
41490	2680				20.68	23.74	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39750	2506	20	50	24	21.24	24.30	< 33.01
40185	2549.5				20.84	23.90	< 33.01
40620	2593				20.42	23.48	< 33.01
41055	2636.5				20.56	23.62	< 33.01
41490	2680				20.60	23.66	< 33.01
39750	2506	20	50	50	21.06	24.12	< 33.01
40185	2549.5				20.66	23.72	< 33.01
40620	2593				20.66	23.72	< 33.01
41055	2636.5				20.51	23.57	< 33.01
41490	2680				20.60	23.66	< 33.01
39750	2506	20	100	0	21.26	24.32	< 33.01
40185	2549.5				20.67	23.73	< 33.01
40620	2593				20.47	23.53	< 33.01
41055	2636.5				20.42	23.48	< 33.01
41490	2680				20.55	23.61	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

5.5. Band Edge Measurement

5.5.1. Test Limit

22.917(a), 24.238 (a), 27.53 (g) (h)

For operations in the 824 ~ 849 MHz, 1850 ~ 1910 MHz, 1930 ~ 1990 MHz, 698 ~ 746 MHz and 1710 ~ 1755 MHz, the FCC limit is $43 + 10\log_{10}(P_{\text{[Watts]}})$ dB below the transmitter power P (Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P_{\text{[Watts]}})$ dB below the transmitter power P (Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} (P_{\text{[Watts]}})$, dB, for mobile and portable equipment.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

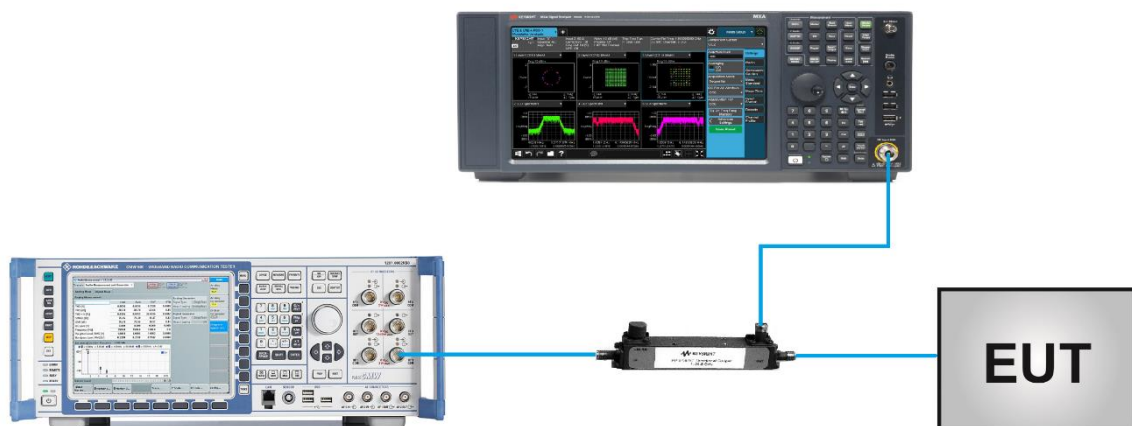
5.5.2. Test Procedure Used

ANSI C63.26-2015 - Section 5.7

5.5.3.Test Setting

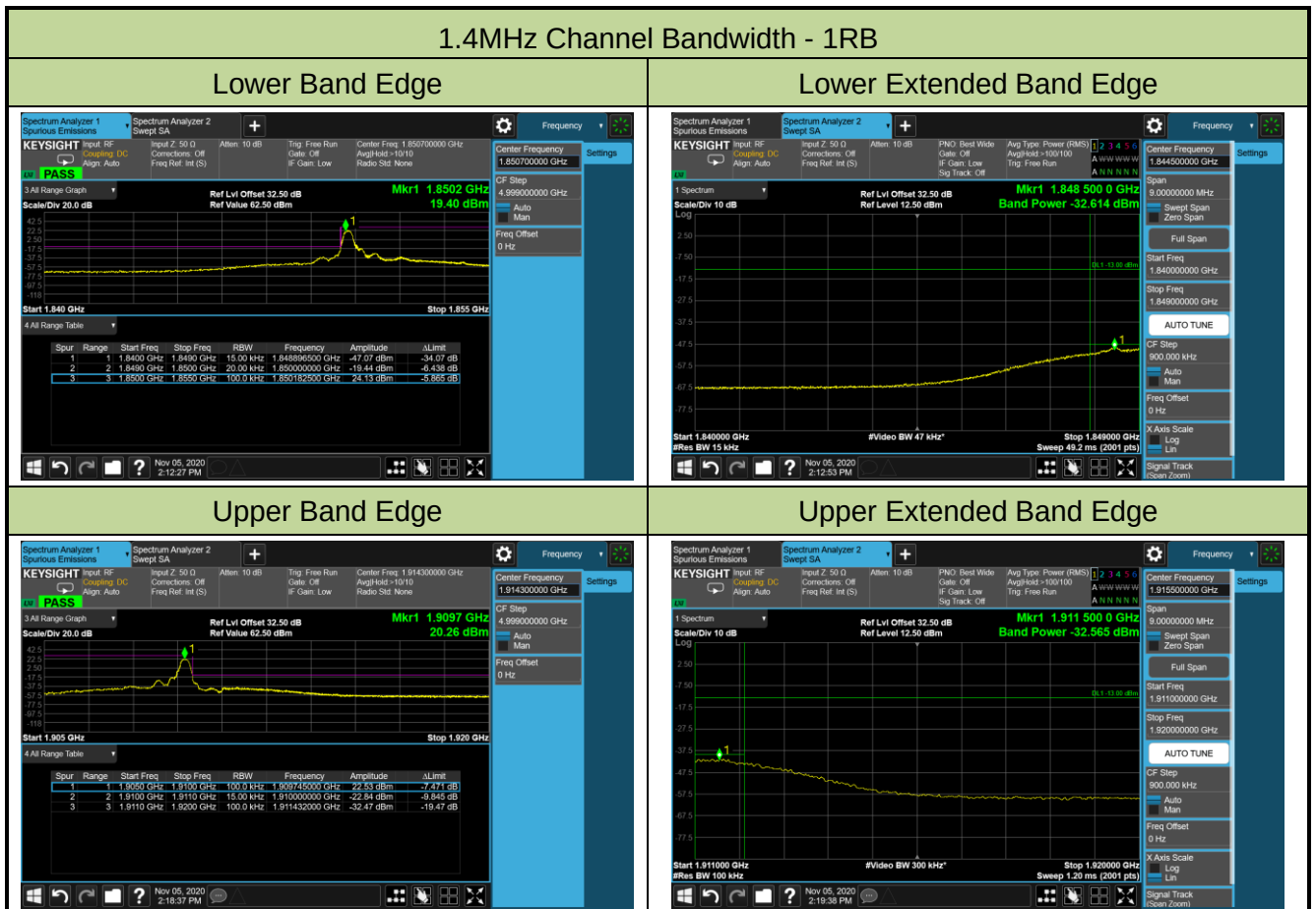
1. Set the analyzer frequency to low or high channel
2. $RBW \geq$ The nominal RBW shall be in the range of 1% of the anticipated OBW (in the 1MHz band immediately outside and adjacent to the band edge). For improvement of the accuracy in the measurement of the average power of a noise-like emission, a RBW narrower than the specified reference bandwidth can be used (generally limited to no less than 1% of the OBW), provided that a subsequent integration is performed over the full required measurement bandwidth. This integration should be performed using the spectrum analyzer's band power functions.
3. $VBW \geq 3 \cdot RBW$
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple.
To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

5.5.4.Test Setup



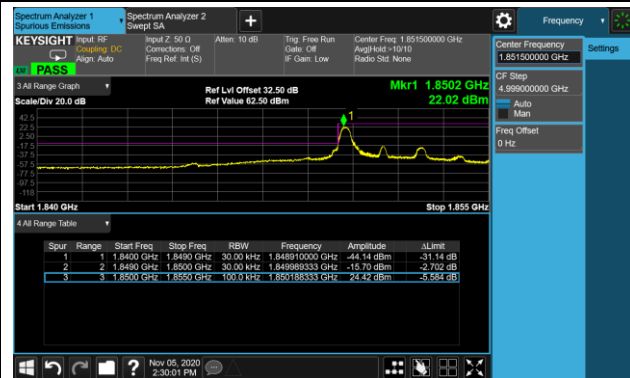
5.5.5. Test Result

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/06
Test Band	Band 2		
Test Result	Pass		

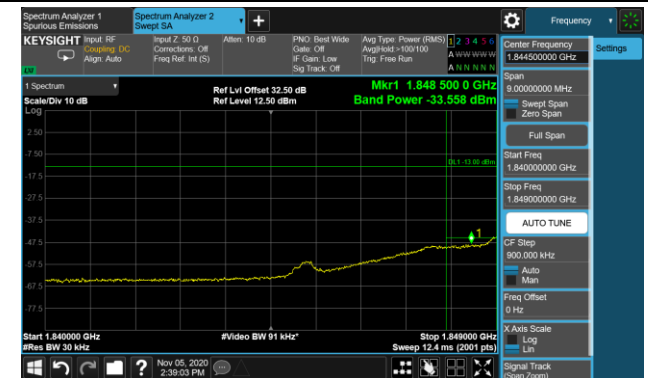


3MHz Channel Bandwidth - 1RB

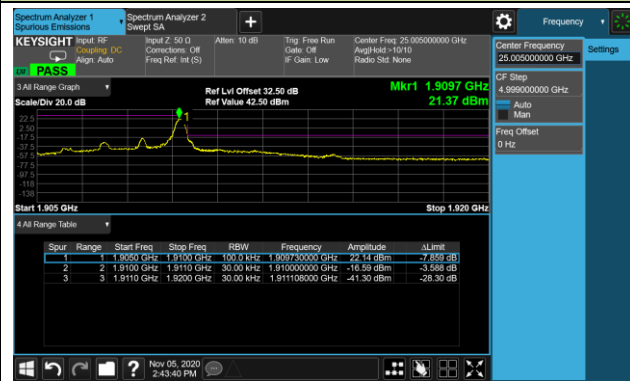
Lower Band Edge



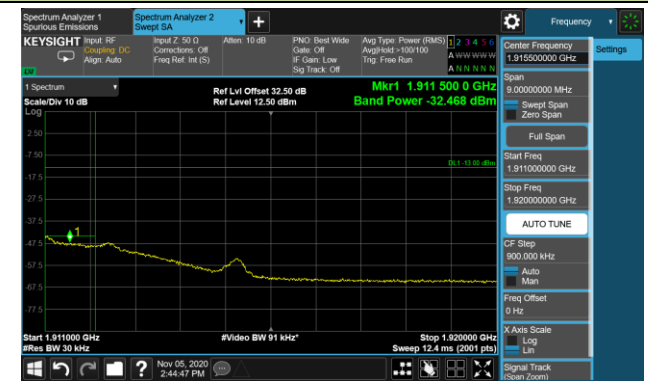
Lower Extended Band Edge



Upper Band Edge

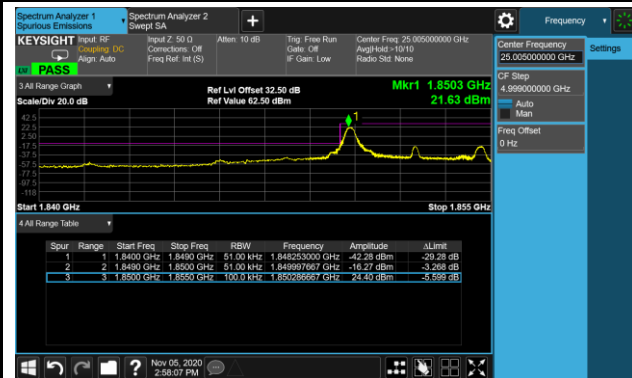


Upper Extended Band Edge

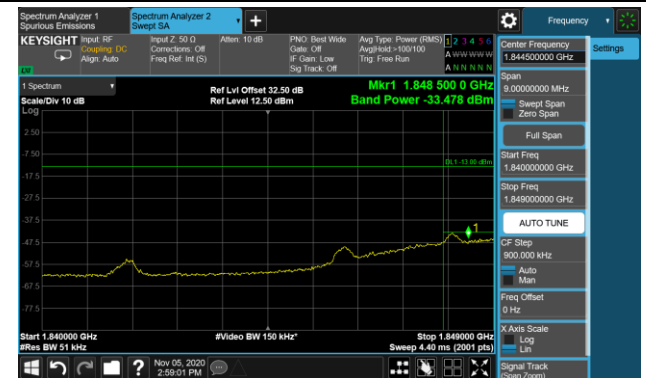


5MHz Channel Bandwidth - 1RB

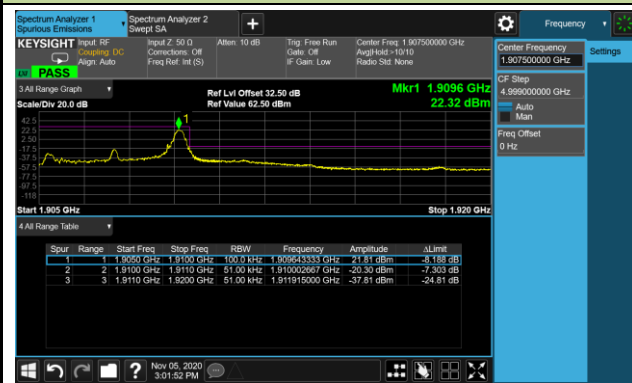
Lower Band Edge



Lower Extended Band Edge



Upper Band Edge

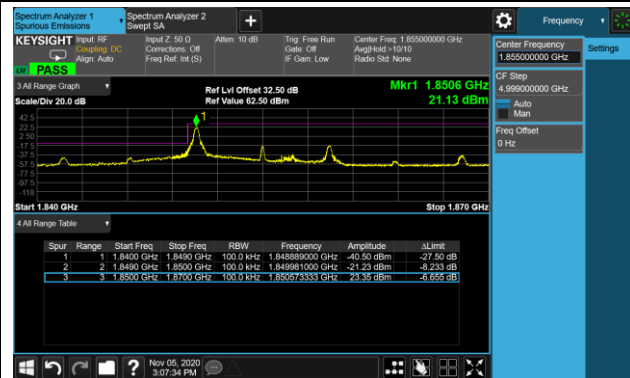


Upper Extended Band Edge

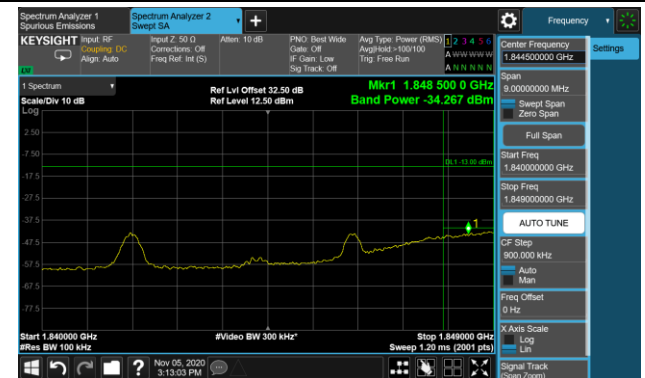


10MHz Channel Bandwidth - 1RB

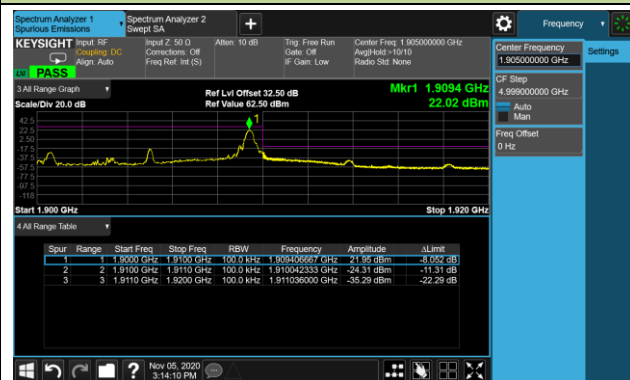
Lower Band Edge



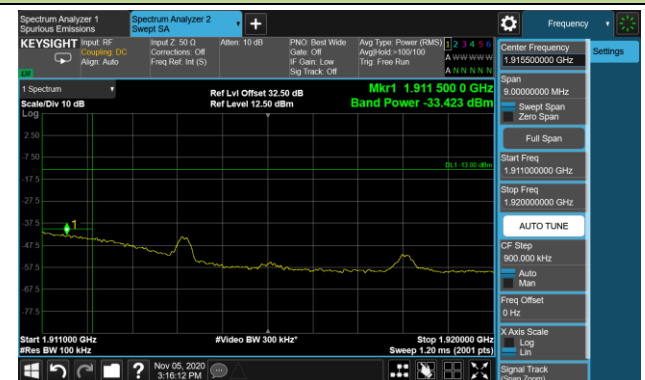
Lower Extended Band Edge



Upper Band Edge

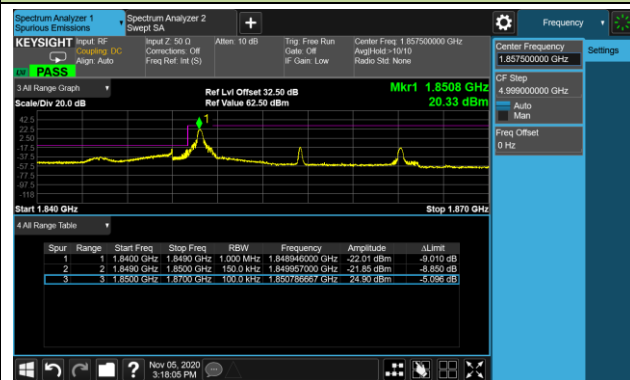


Upper Extended Band Edge

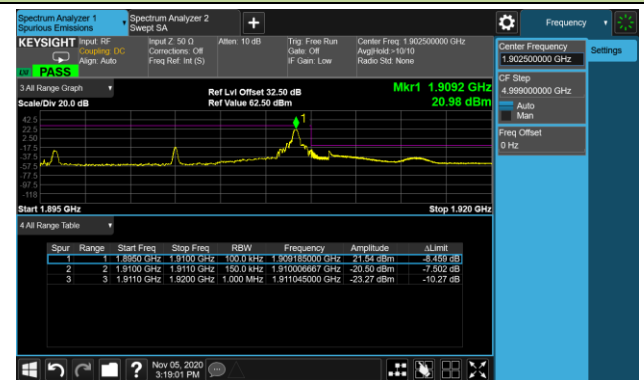


15MHz Channel Bandwidth - 1RB

Lower Band Edge

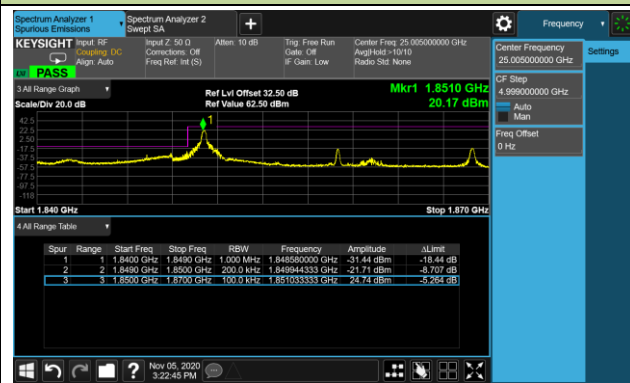


Upper Band Edge

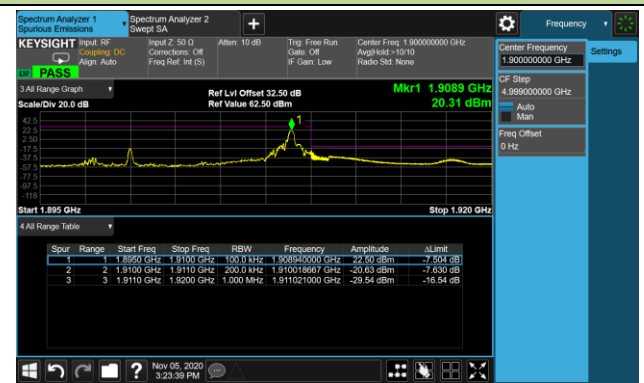


20MHz Channel Bandwidth - 1RB

Lower Band Edge

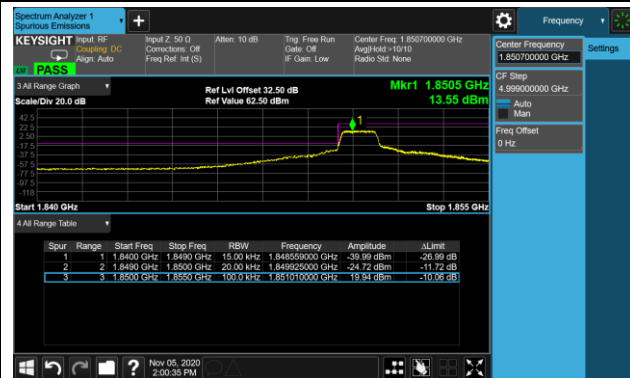


Upper Band Edge

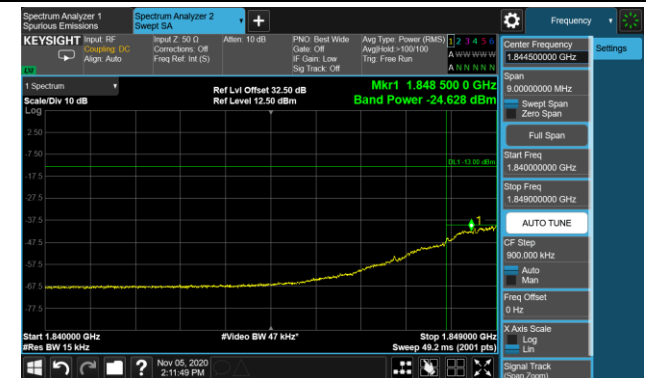


1.4MHz Channel Bandwidth - Full RB

Lower Band Edge



Lower Extended Band Edge



Upper Band Edge

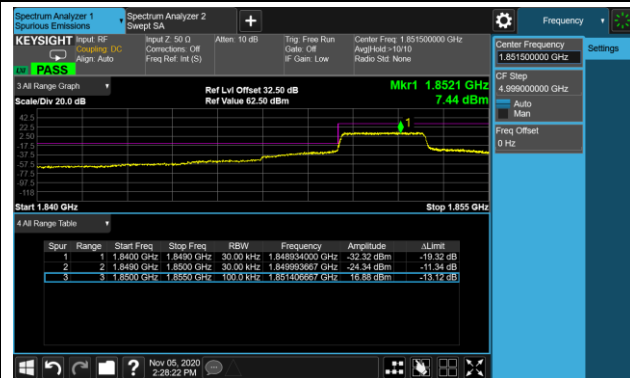


Upper Extended Band Edge

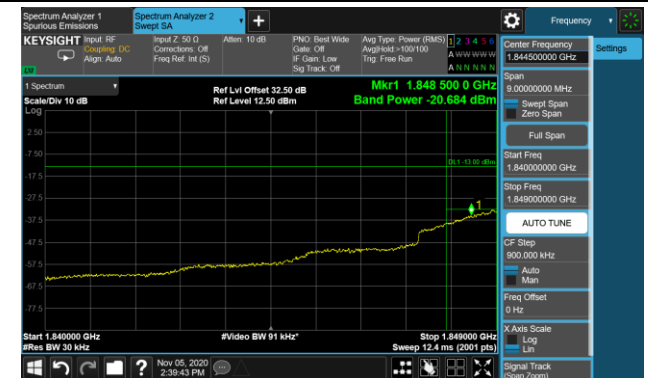


3MHz Channel Bandwidth - Full RB

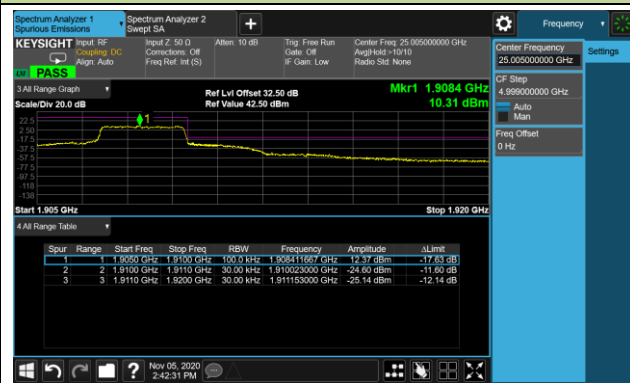
Lower Band Edge



Lower Extended Band Edge



Upper Band Edge

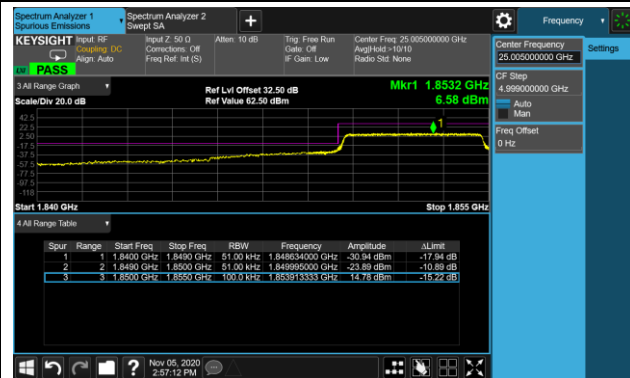


Upper Extended Band Edge

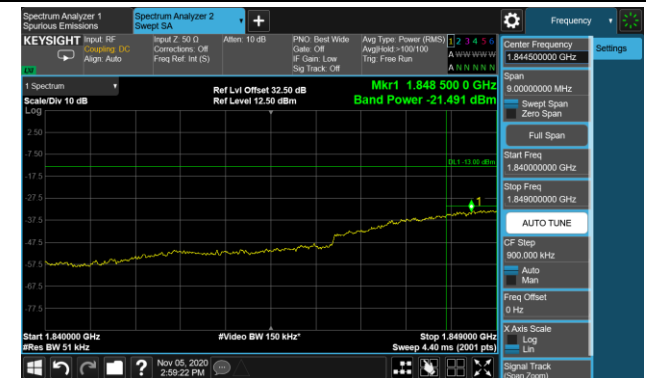


5MHz Channel Bandwidth - Full RB

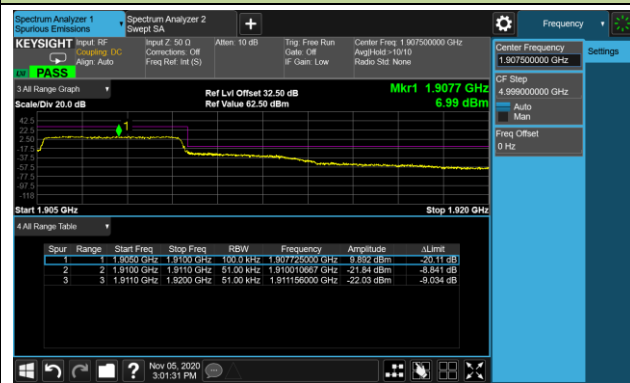
Lower Band Edge



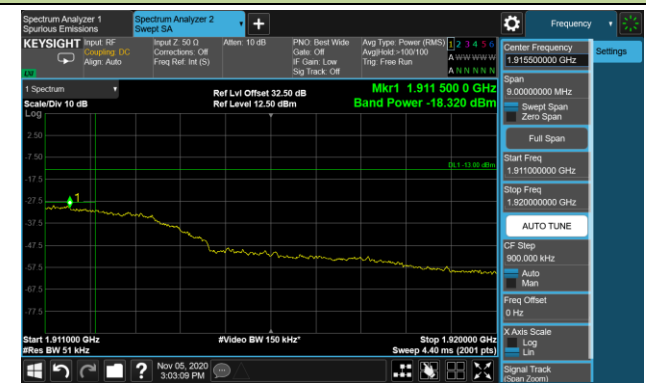
Lower Extended Band Edge



Upper Band Edge

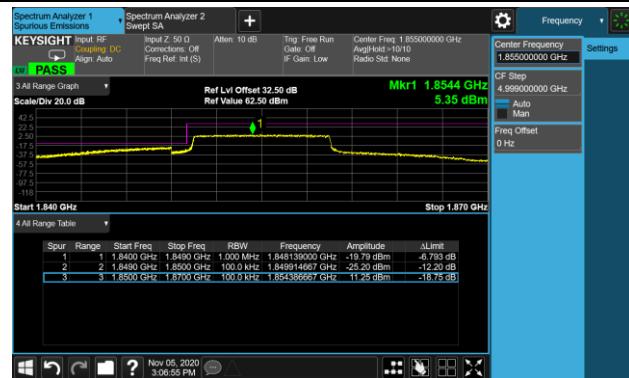


Upper Extended Band Edge

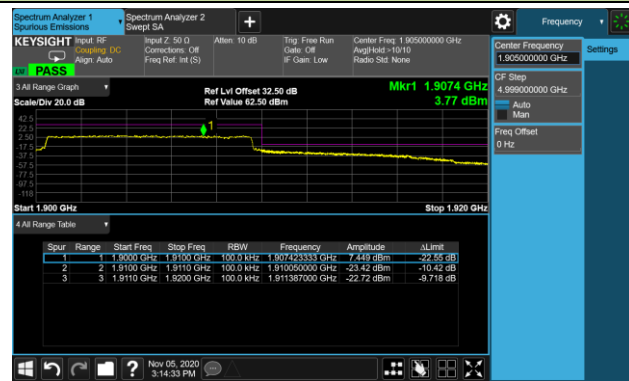


10MHz Channel Bandwidth - Full RB

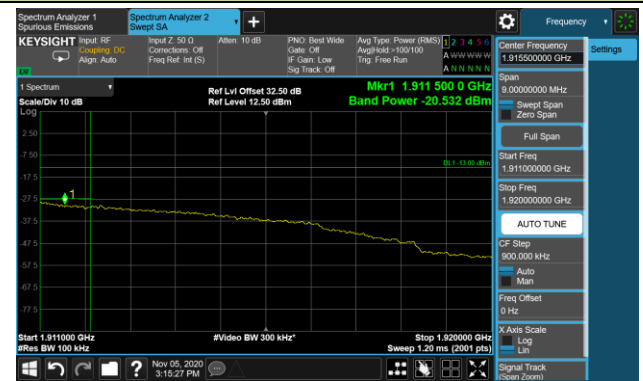
Lower Band Edge



Upper Band Edge

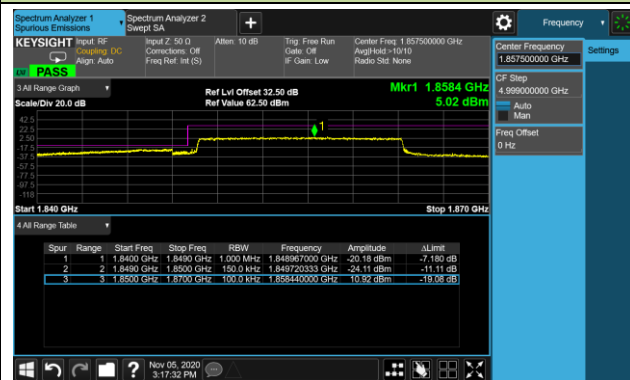


Upper Extended Band Edge



15MHz Channel Bandwidth - Full RB

Lower Band Edge

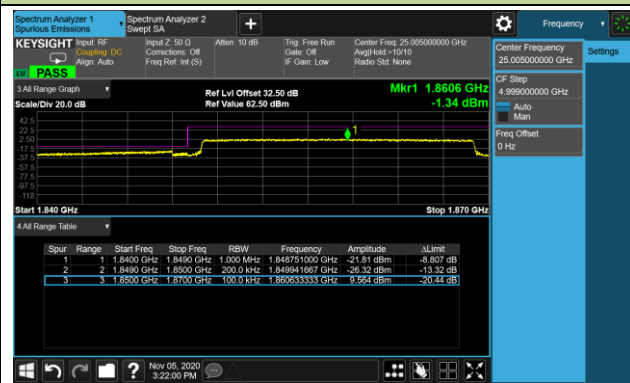


Upper Band Edge

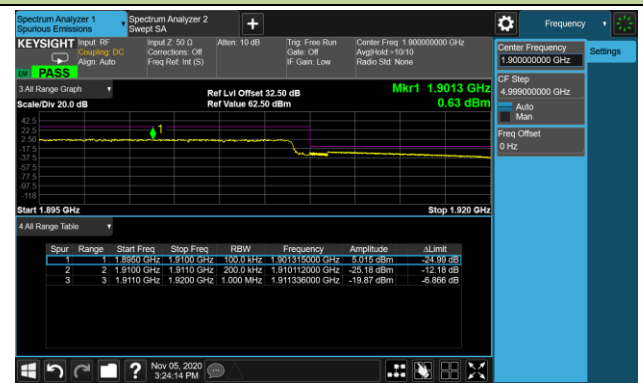


20MHz Channel Bandwidth - Full RB

Lower Band Edge



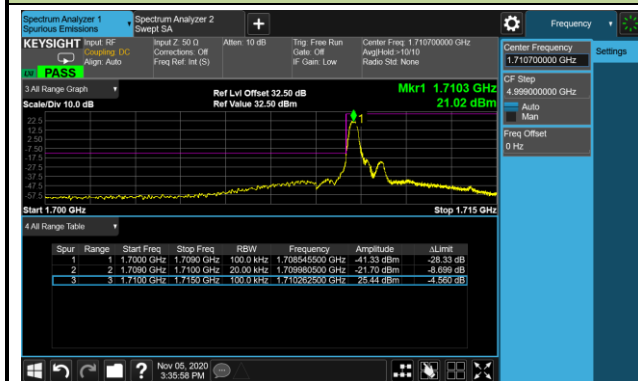
Upper Band Edge



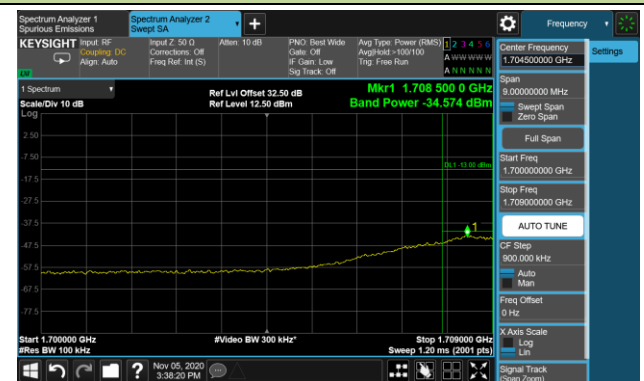
Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/05
Test Band	Band 4		
Test Result	Pass		

1.4MHz Channel Bandwidth - 1RB

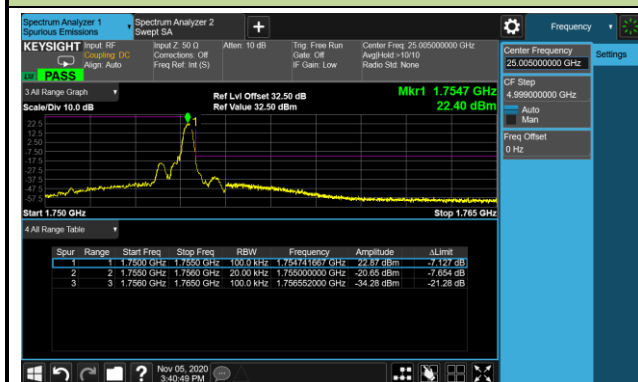
Lower Band Edge



Lower Extended Band Edge



Upper Band Edge

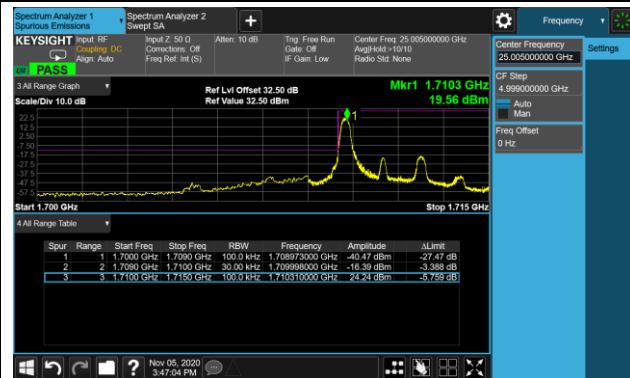


Upper Extended Band Edge

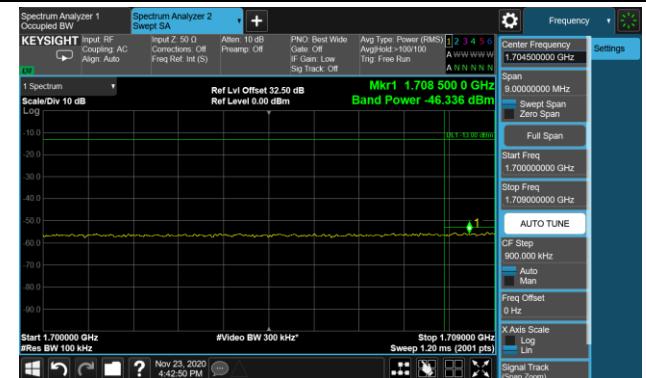


3MHz Channel Bandwidth - 1RB

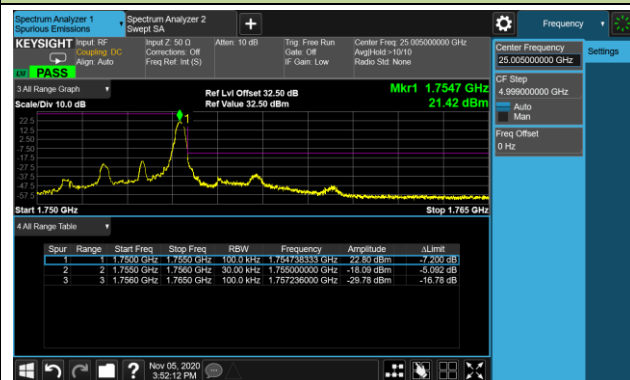
Lower Band Edge



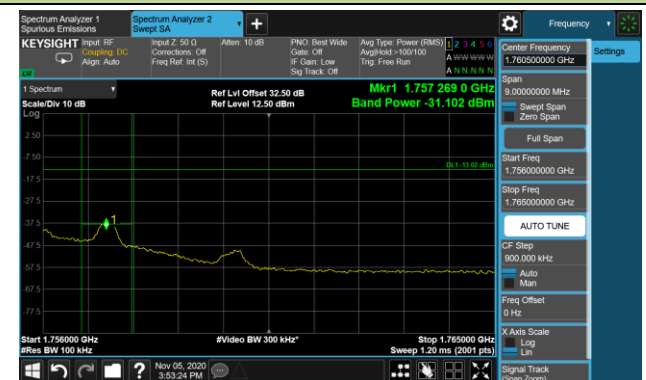
Lower Extended Band Edge



Upper Band Edge

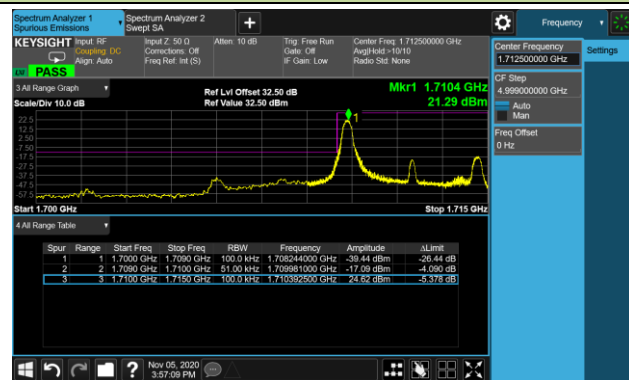


Upper Extended Band Edge

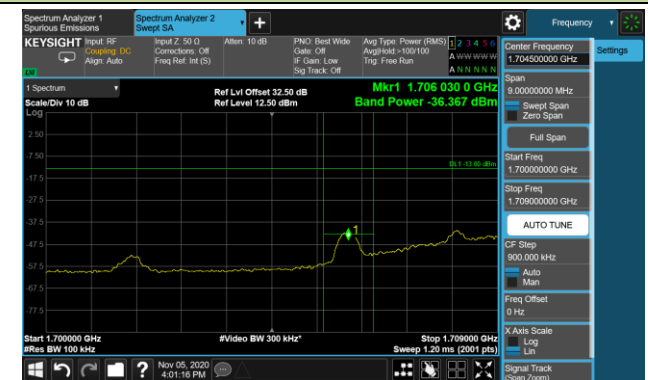


5MHz Channel Bandwidth - 1RB

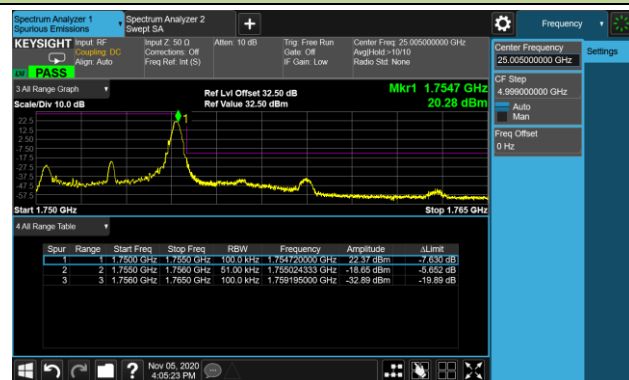
Lower Band Edge



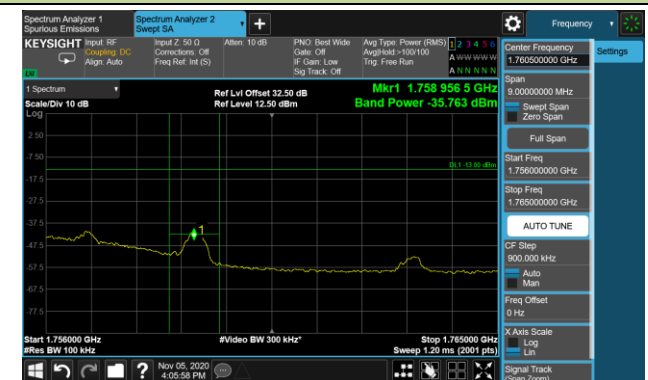
Lower Extended Band Edge



Upper Band Edge

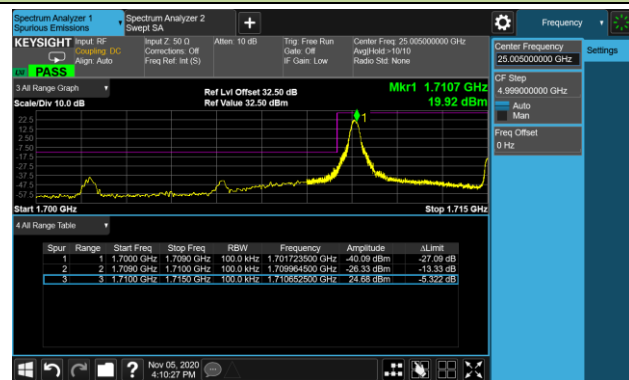


Upper Extended Band Edge

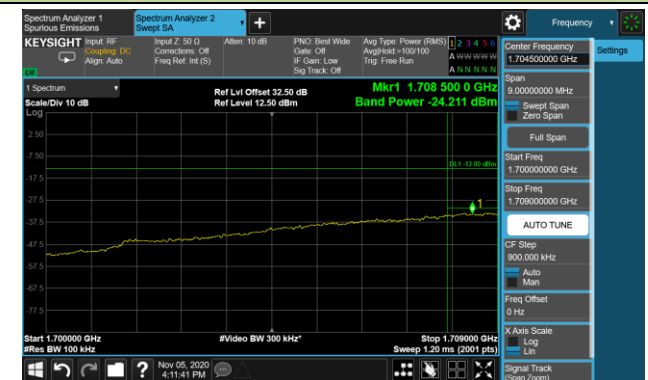


10MHz Channel Bandwidth - 1RB

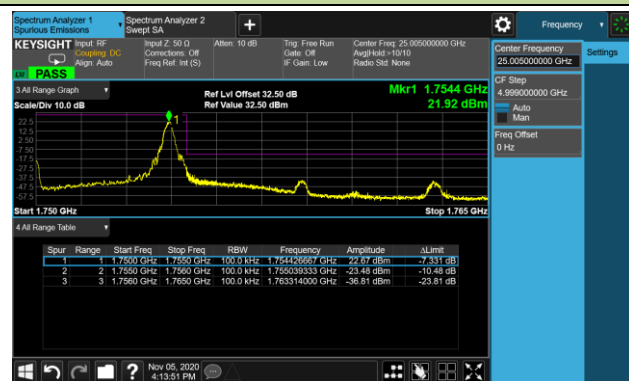
Lower Band Edge



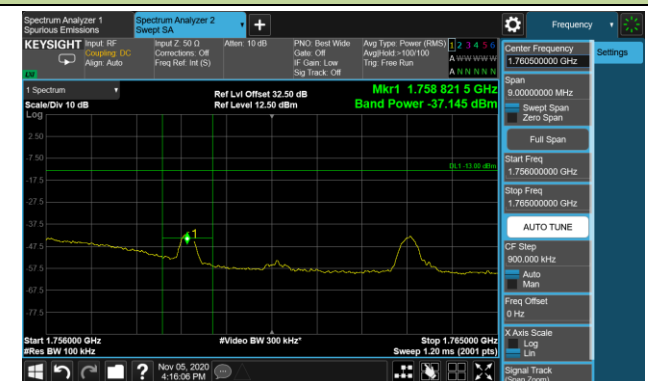
Lower Extended Band Edge



Upper Band Edge

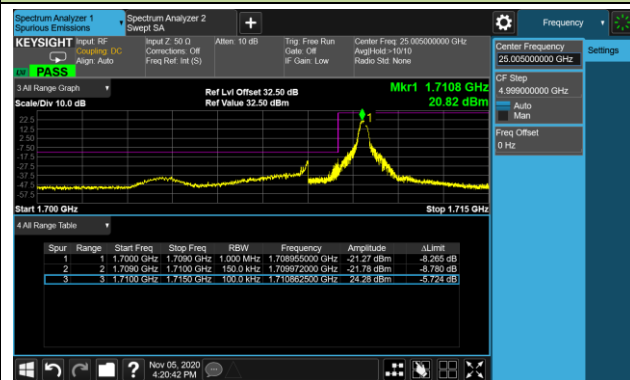


Upper Extended Band Edge

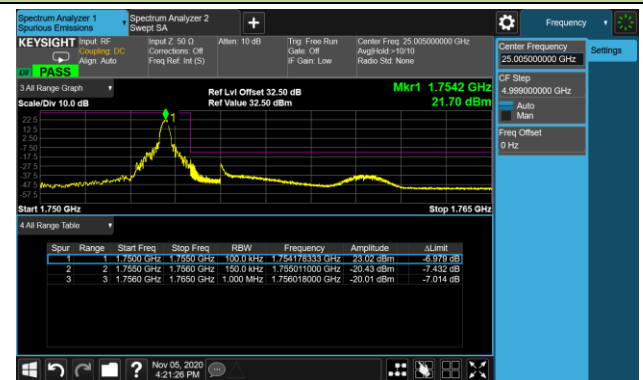


15MHz Channel Bandwidth - 1RB

Lower Band Edge

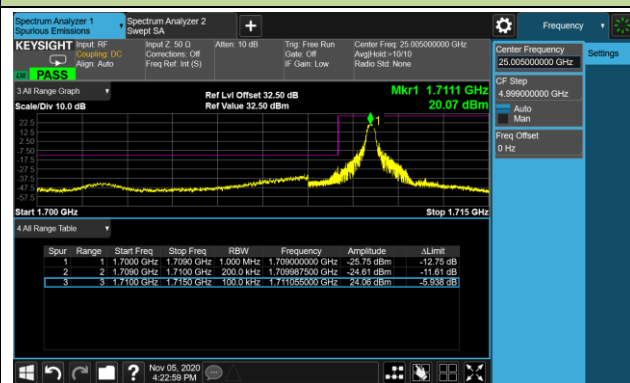


Upper Band Edge



20MHz Channel Bandwidth - 1RB

Lower Band Edge



Upper Band Edge

