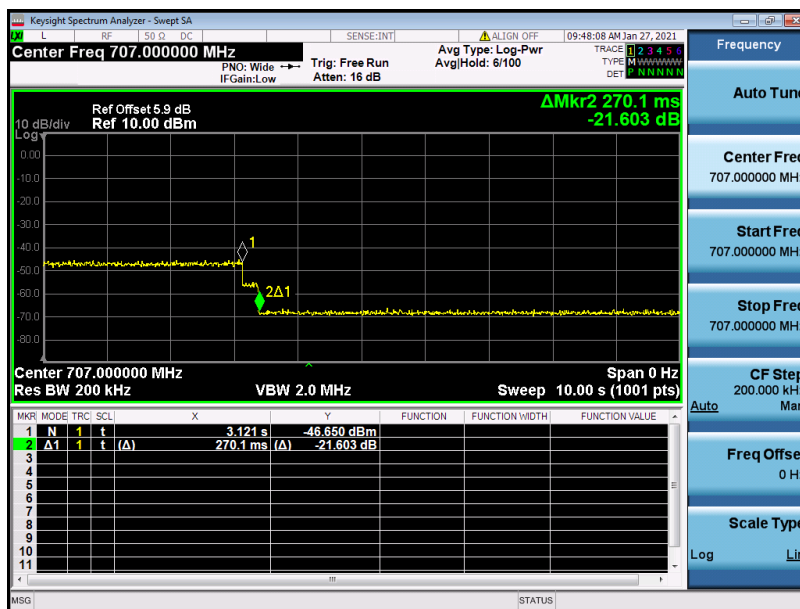


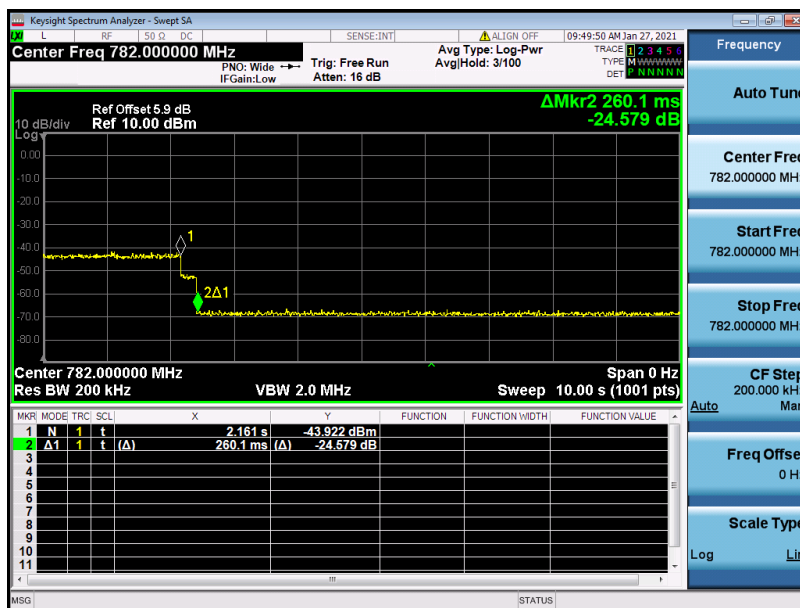
Variable Uplink Noise Timing

UPLINK

Lower 700MHz Band



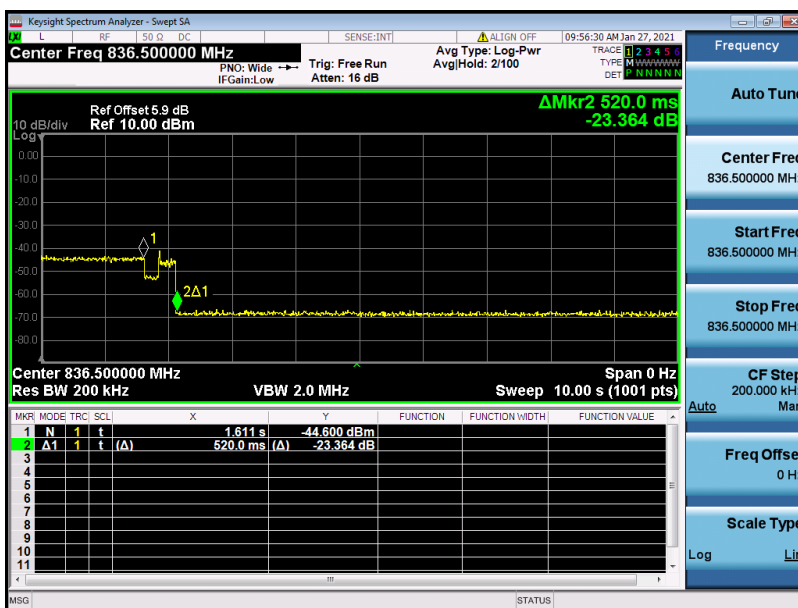
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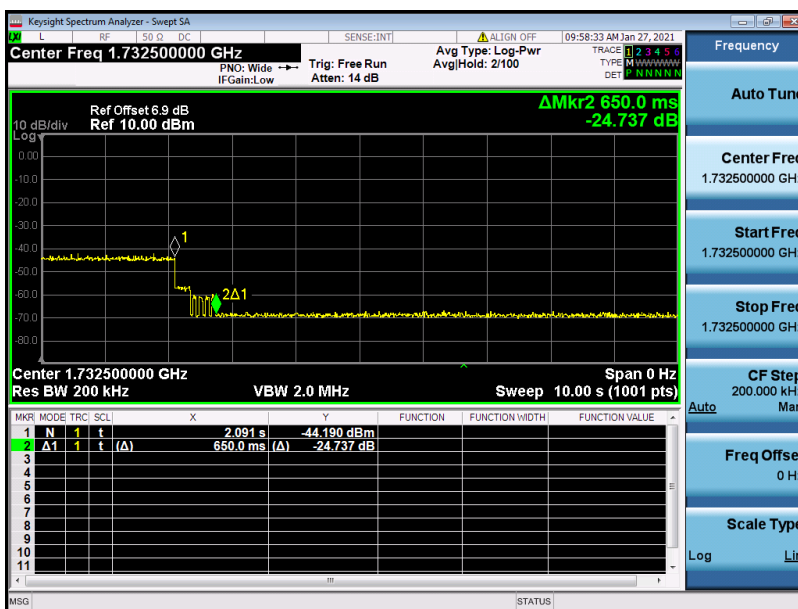
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Cellular Band



AWS-1 Band

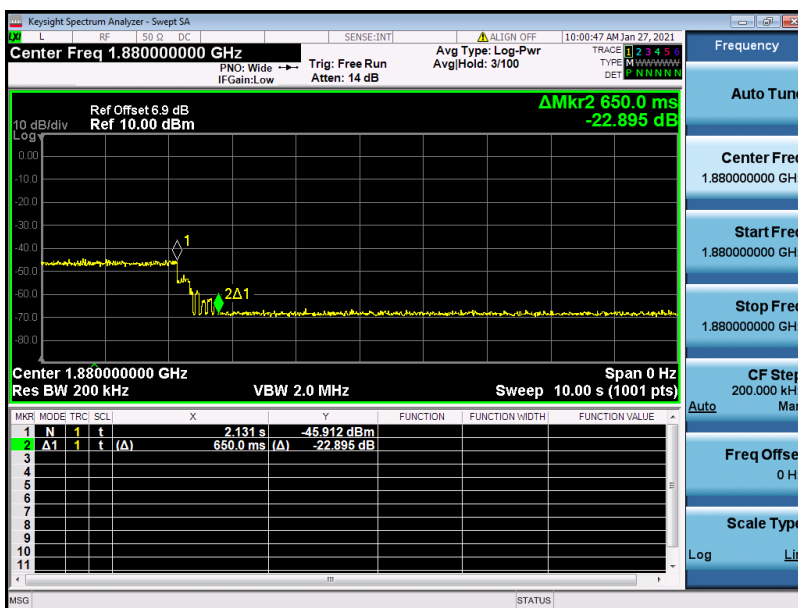


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Broadband PCS Band



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8 Uplink inactivity

Uplink Inactivity				
Path	Band	Time (s)	Limit (s)	Verdict
UPLINK	Lower 700MHz	292.6	≤300	PASS
	Upper 700MHz	293.0	≤300	PASS
	Cellular	293.1	≤300	PASS
	AWS-1	293.0	≤300	PASS
	Broadband PCS	293.4	≤300	PASS



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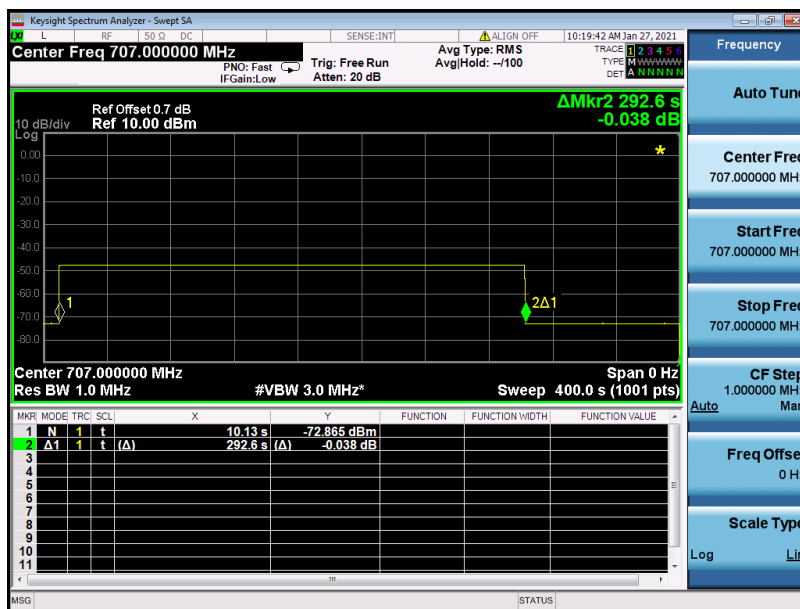
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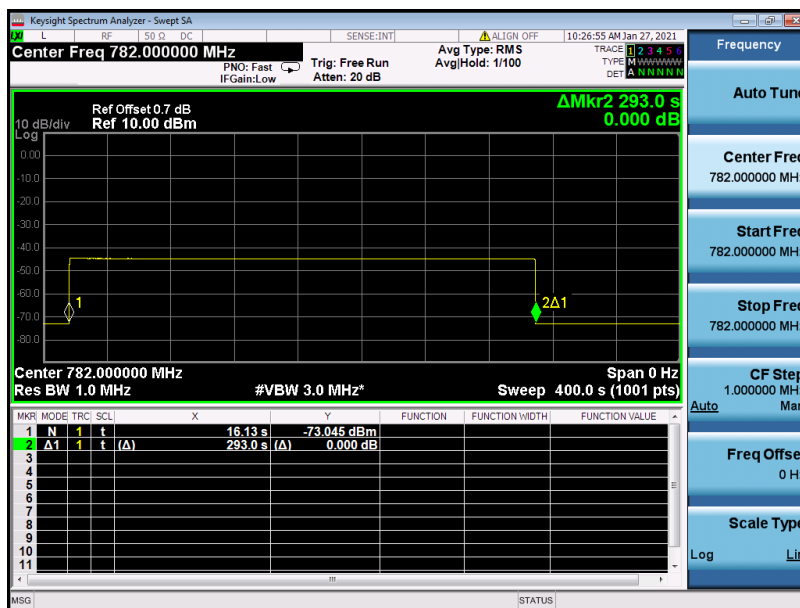
Uplink Inactivity

UPLINK

Lower 700MHz Band



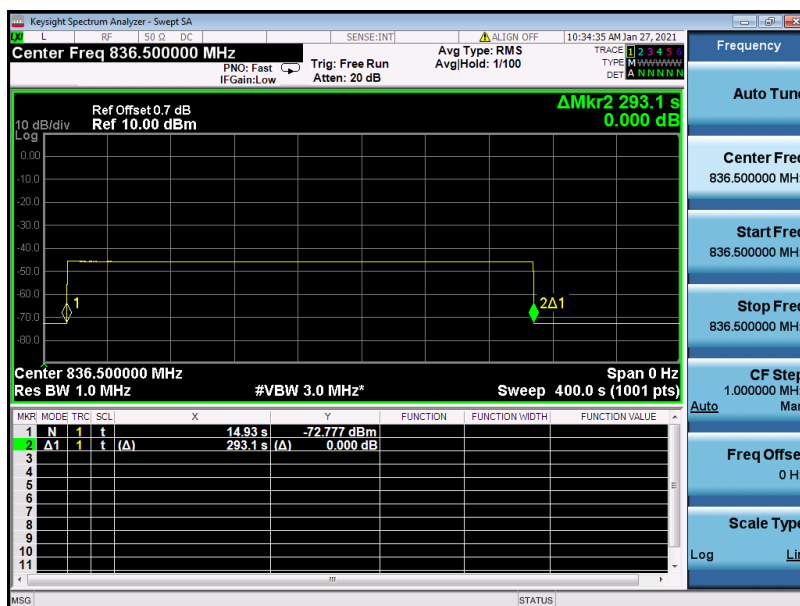
Upper 700MHz Band



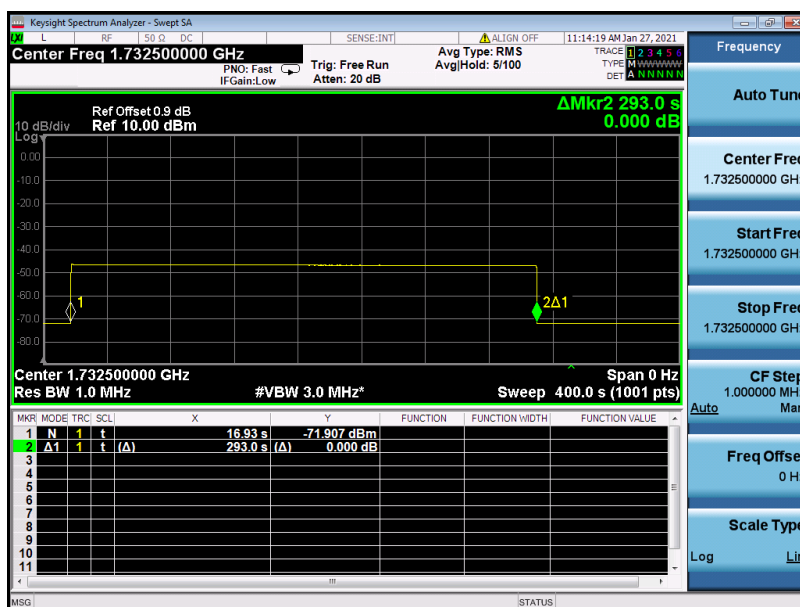
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Cellular Band



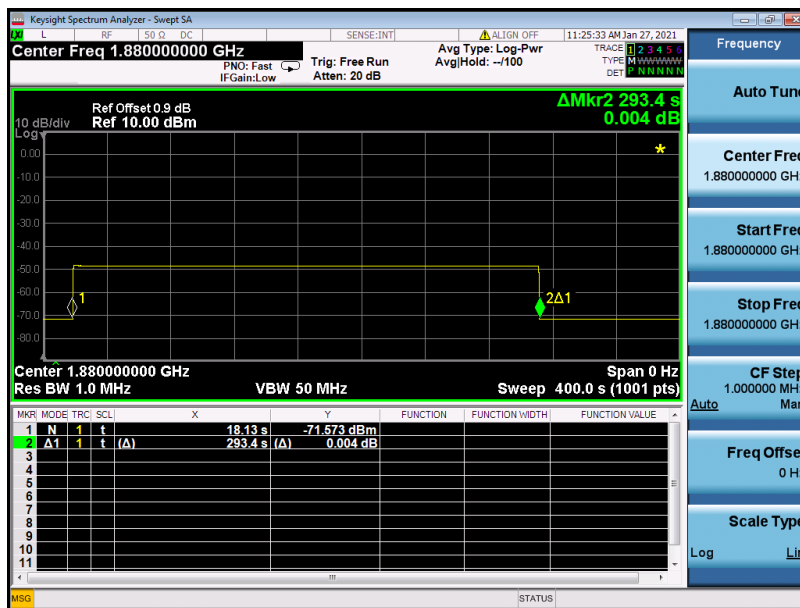
AWS-1 Band



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Broadband PCS Band



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9 Variable booster gain

Note: 1. 20.21(e)(8)(i)(C)(1)

The uplink gain in dB of a consumer booster referenced to its input and output ports shall not exceed $-34 \text{ dB} - \text{RSSI} + \text{MSCL}$.

2. 20.21(e)(8)(i)(H) *Transmit Power Off Mode*

When the consumer booster cannot otherwise meet the noise and gain limits defined herein it must operate in "Transmit Power Off Mode." In this mode of operation, the uplink and downlink noise power shall not exceed -70 dBm/MHz and both uplink and downlink gain shall not exceed the lesser of 23 dB or MSCL .

3. According to the declaration from the manufacturer,

- a) minimum separation distance between indoor consumer wireless devices and the signal booster's antenna is 1.5m ;
- b) the highest indoor antenna gain is 10dBi ;
- c) minimum indoor cable loss is 1dB .

According to KDB 935210 D03 v04r04 appendix B, the free space path loss can be calculated $L_p = 20\log f + 20\log d - 27.5$ (here, f =frequency in MHz and d =separation distance in meters); MSCL includes the path loss from the wireless device, and the booster's server antenna gain and cable loss.

So,

The lowest MSCL for each band can be calculated as follows:

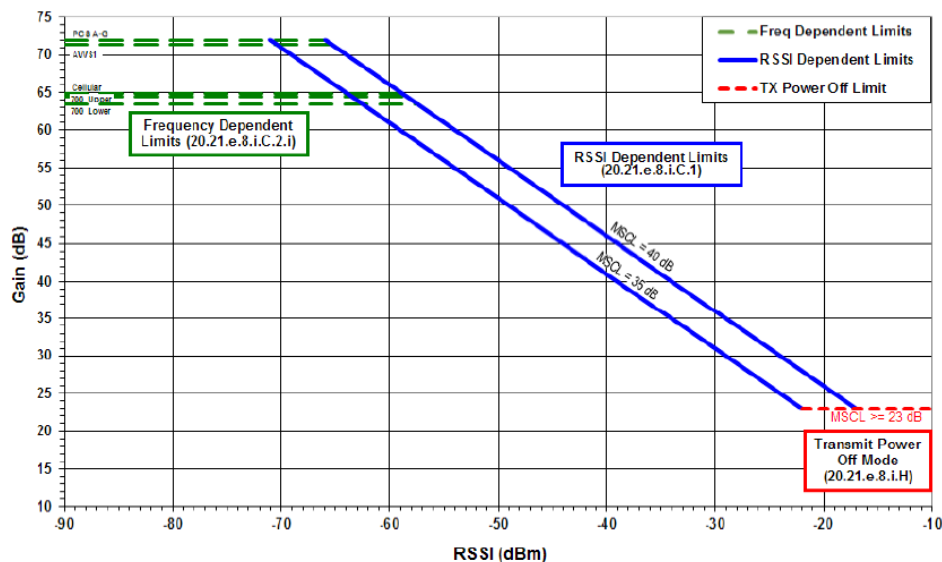
Bands	f (MHz)	d (m)	L_p (dB)	Indoor ANT Gain (dBi)	Indoor Cable Loss (dB)	MSCL (dB)
Lower 700MHz	698	1.5	32.90	10	1	23.90
Upper 700MHz	777	1.5	33.82	10	1	24.82
Cellular	824	1.5	34.34	10	1	25.34
AWS-1	1710	1.5	40.68	10	1	31.68
Broadband PCS	1850	1.5	41.36	10	1	32.36



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4. 2. According to KDB 935210 D03 v04r04 appendix D, the variable gain limit is $-34 \text{ dB} - \text{RSSI} + \text{MSCL}$ inside the RSSI-dependent region, and $6.5 \text{ dB} + 20 \text{ Log}_{10} (F)$ outside the RSSI-dependent region (23dB when operating in shutoff mode).



So,

for Lower 700MHz, the RSSI-dependent region is -73.59 dBm to -33.10 dBm
 for Upper 700MHz, the RSSI-dependent region is -73.54 dBm to -32.18 dBm
 for Cellular, the RSSI-dependent region is -73.61 dBm to -31.66 dBm
 for AWS-1, the RSSI-dependent region is -73.59 dBm to -25.32 dBm
 for Broadband PCS, the RSSI-dependent region is -73.62 dBm to -24.64 dBm



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Variable Gain								
Path	Band	RSSI (dBm)	P _{in} ¹ (dBm)	P _{out} (dBm)	Gain (dB)	MSCL (dB)	Limit (dB)	Verdict
UPLINK	Lower 700MHz	-90	-49.5	8.99	58.49	23.90	≤63.49	PASS
		-80	-49.5	9.12	58.62		≤63.49	PASS
		-70	-49.5	8.56	58.06		≤59.9	PASS
		-67	-49.5	3.65	53.15		≤56.9	PASS
		-65	-49.5	1.23	50.73		≤54.9	PASS
		-64	-49.5	0.58	50.08		≤53.9	PASS
	Upper 700MHz	-90	-47.8	9.89	57.69	24.82	≤64.36	PASS
		-80	-47.8	9.77	57.57		≤64.36	PASS
		-68	-47.8	8.68	56.48		≤58.82	PASS
		-66	-47.8	4.32	52.12		≤56.82	PASS
		-62	-47.8	2.64	50.44		≤52.82	PASS
		-59	-47.8	-0.35	47.45		≤49.82	PASS
	Cellular	-90	-48.6	9.00	57.6	25.34	≤64.95	PASS
		-80	-48.6	8.95	57.55		≤64.95	PASS
		-65	-48.6	7.34	55.94		≤56.34	PASS
		-61	-48.6	2.43	51.03		≤52.34	PASS
		-60	-48.6	0.53	49.13		≤51.34	PASS
		-58	-48.6	-0.88	47.72		≤49.34	PASS
	AWS-1	-90	-51.0	7.67	58.67	31.68	≤71.27	PASS
		-80	-51.0	7.65	58.65		≤71.27	PASS
		-67	-51.0	7.48	58.48		≤64.68	PASS
		-65	-51.0	6.34	57.34		≤62.68	PASS
		-60	-51.0	3.21	54.21		≤57.68	PASS
		-57	-51.0	0.45	51.45		≤54.68	PASS



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UPLINK	Broadband PCS	-90	-50.8	8.43	59.23	32.36	≤71.98	PASS
		-80	-50.8	8.56	59.36		≤71.98	PASS
		-68	-50.8	7.51	58.31		≤66.36	PASS
		-59	-50.8	4.23	55.03		≤57.36	PASS
		-58	-50.8	2.64	53.44		≤56.36	PASS
		-57	-50.8	0.87	51.67		≤55.36	PASS

Remark:

1. The P_{in} (input power) was a value that was 5dB below the AGC level. Please refer to clause 2 in this report for more details for AGC level.
2. During the test, the EUT can be able to provide equivalent uplink and downlink gain, please refer to clause 3 in this report for reference.
3. The EUT lost amplification ability when operating in shutoff mode, so the uplink and downlink gain was within the transmit power off mode gain limit 23dB.



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Variable Uplink Gain Timing				
Path	Band	Time (s)	Limit (s)	Verdict
UPLINK	Lower 700MHz	0.31	≤3	PASS
	Upper 700MHz	0.27	≤3	PASS
	Cellular	0.95	≤3	PASS
	AWS-1	0.72	≤3	PASS
	Broadband PCS	0.69	≤3	PASS



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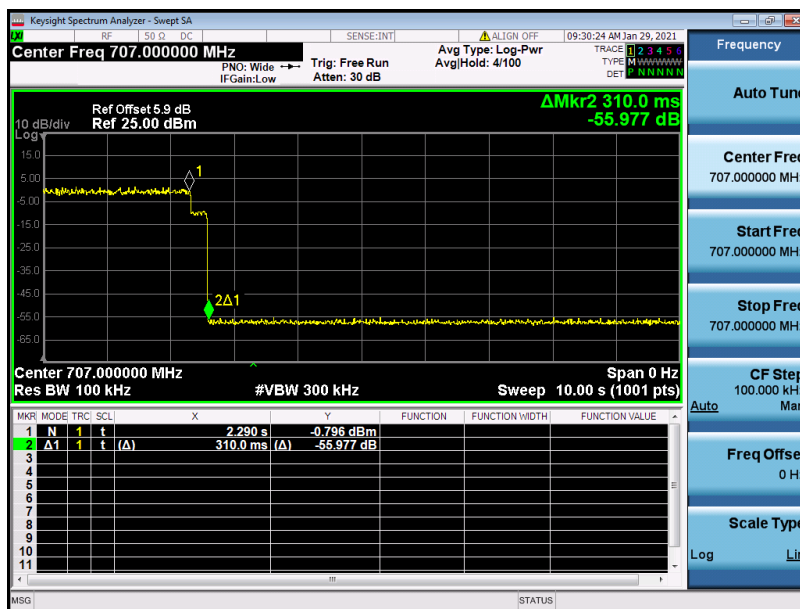
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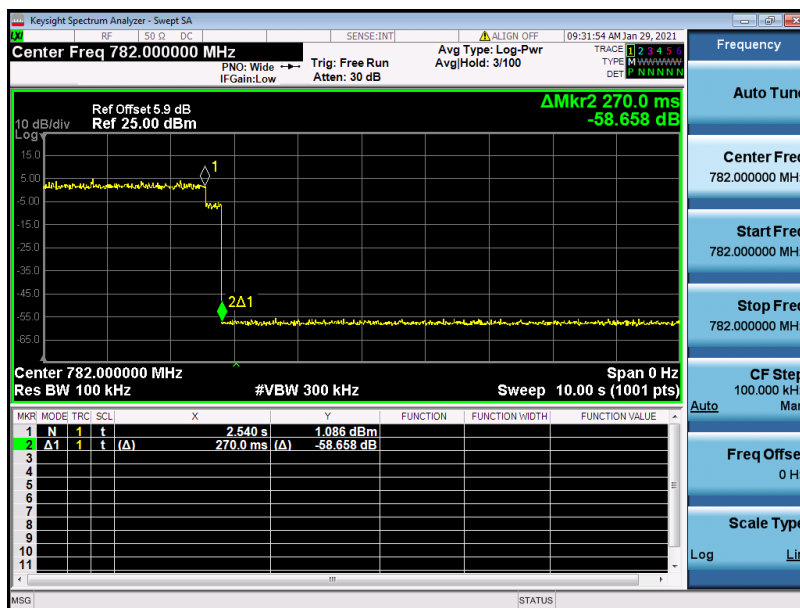
Variable Uplink Gain Timing

UPLINK

Lower 700MHz Band



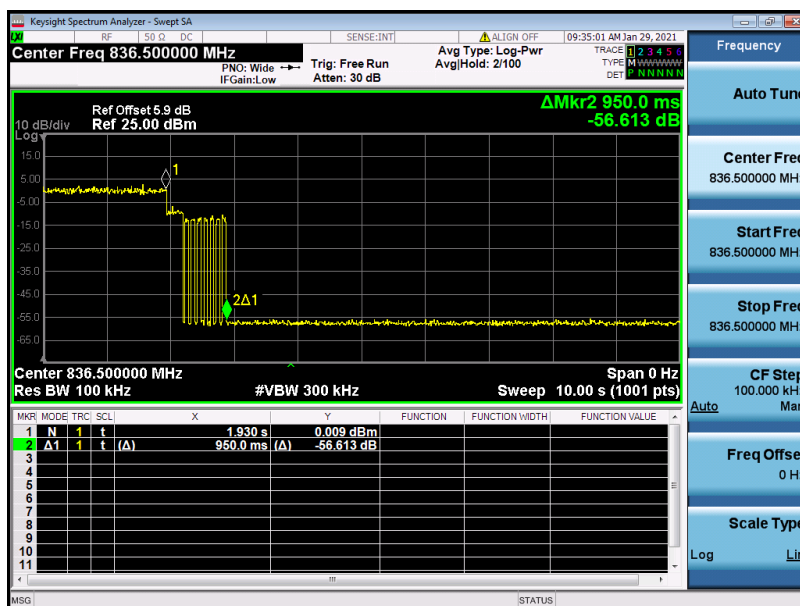
Upper 700MHz Band



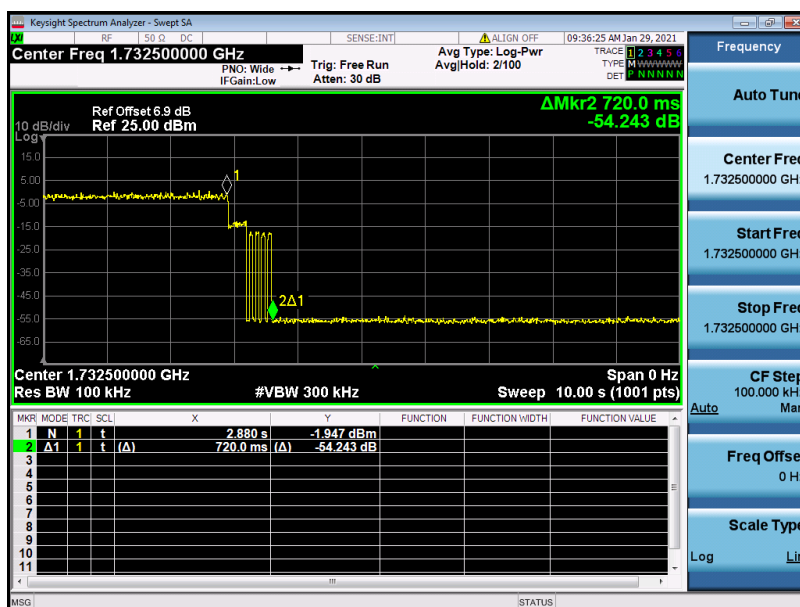
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Cellular Band



AWS-1 Band



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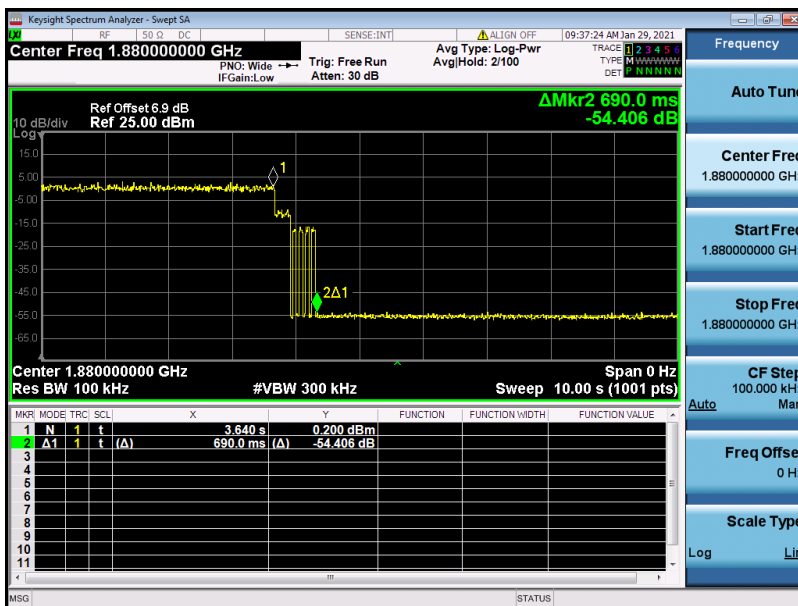
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Application No.: GZEM2101000418CR

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FCC ID: 2AYTR-SZZJ1

Broadband PCS Band



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch, Inspection & Testing Services

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Member of the SGS Group (SGS SA)

10 Occupied bandwidth

- Note:
1. EUT amplifies Lower 700MHz downlink (728-746MHz) and upper 700MHz downlink (746-756MHz) together, so combined frequency was measured for OBW in this report, the center frequency is 742MHz.
 2. Compare the spectral plot of the input signal to the output signal affirm that they are similar (in passband and roll off characteristic features and relative spectral locations).
- The test result complies with the requirement, please refer to following plots.

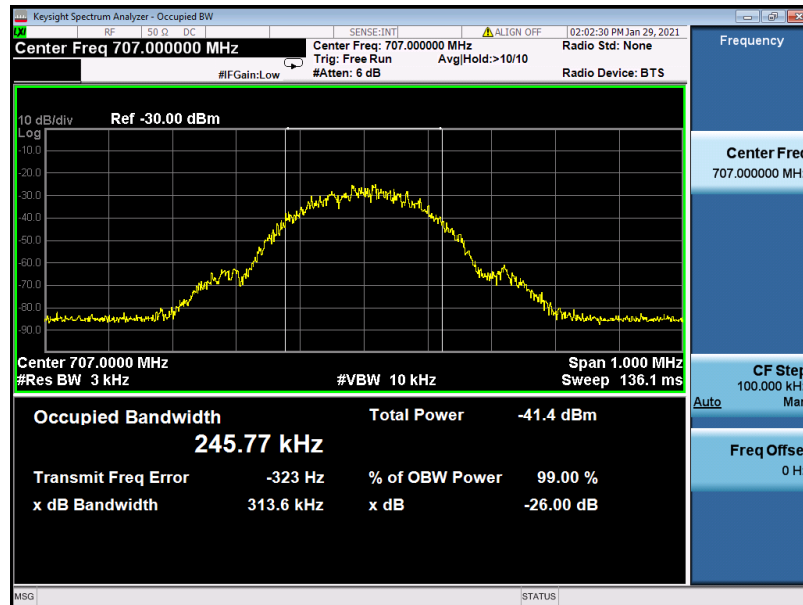


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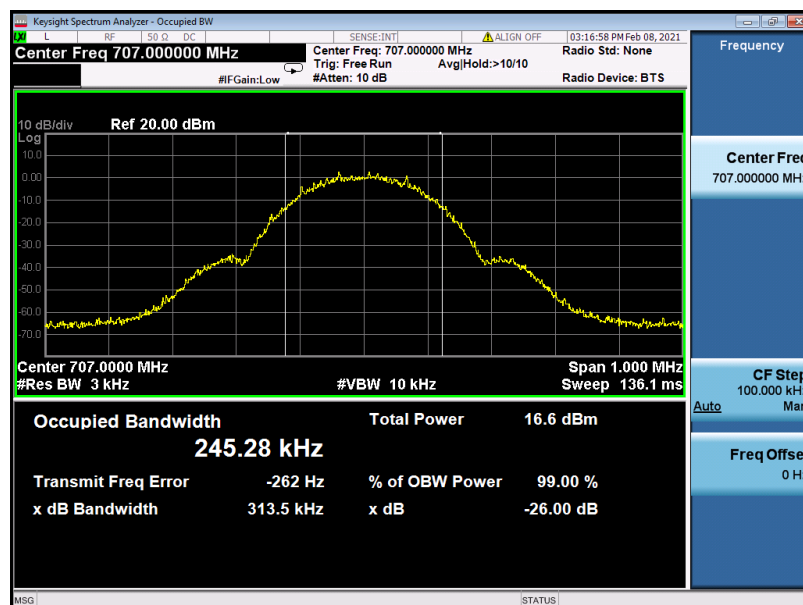
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UPLINK_GSM signal type

Lower 700MHz Band_Input



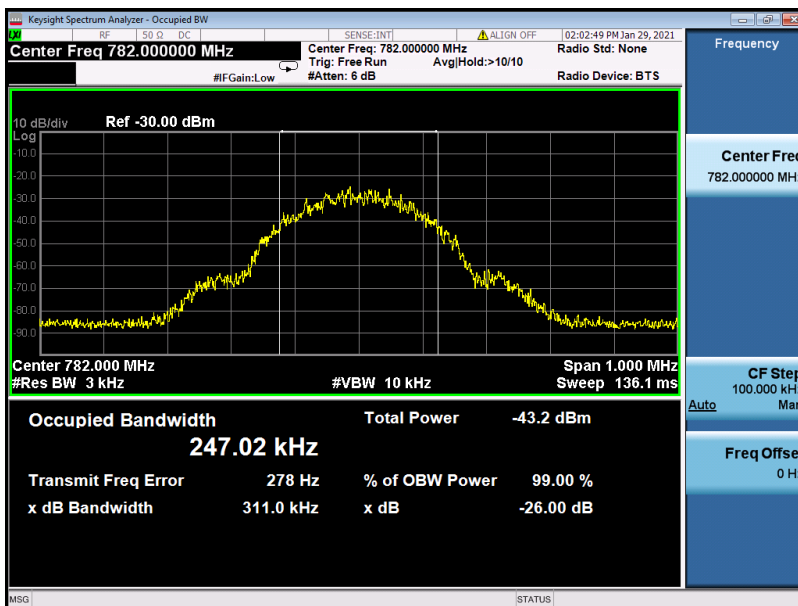
Lower 700MHz Band_Output



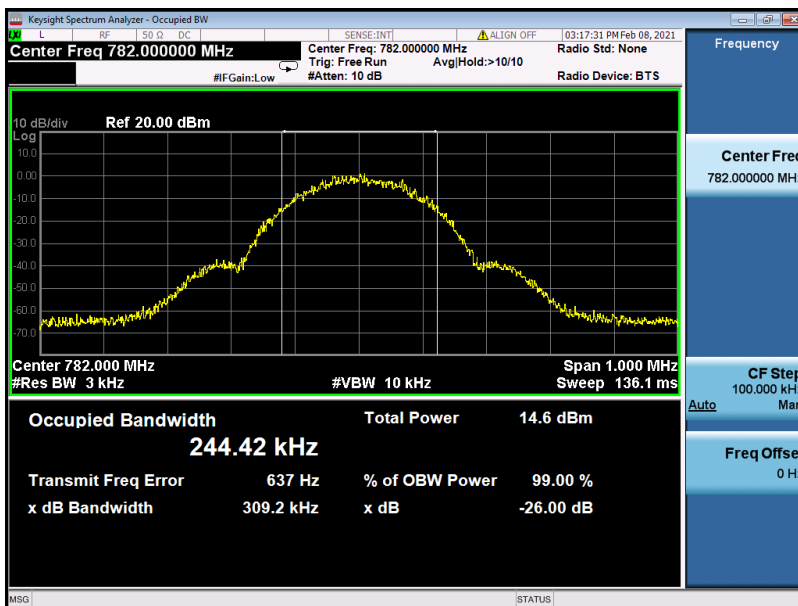
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Upper 700MHz Band_Input



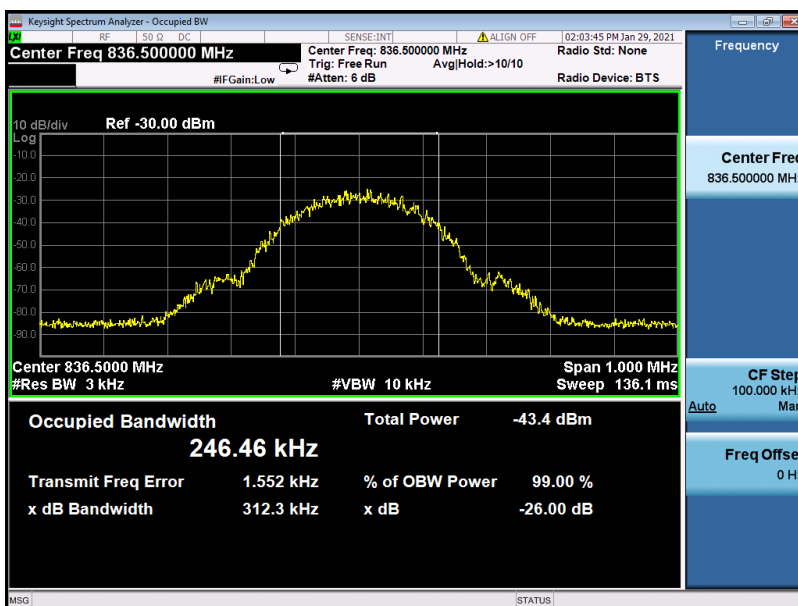
Upper 700MHz Band_Output



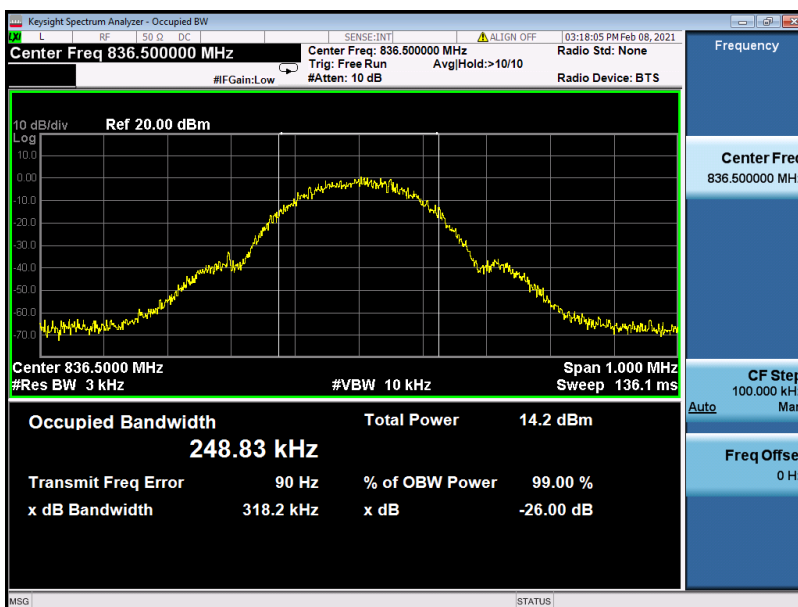
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Cellular Band_Input



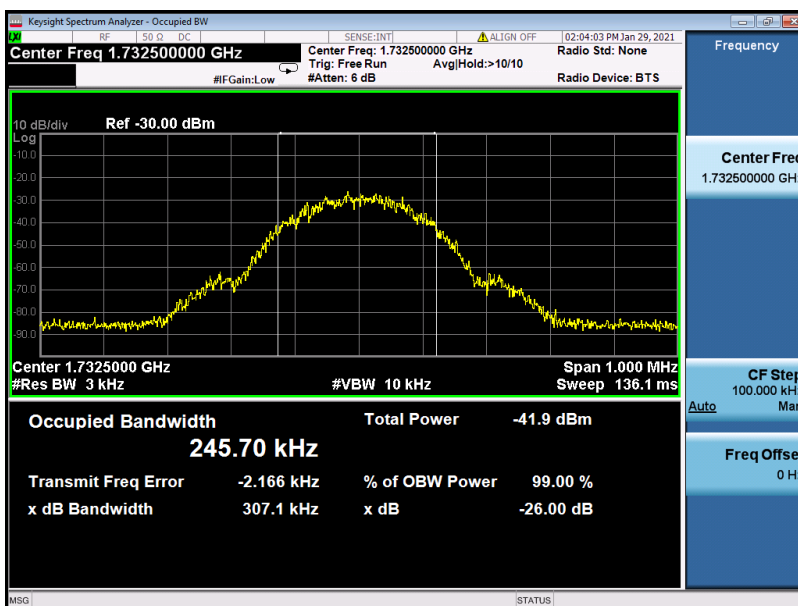
Cellular Band_Output



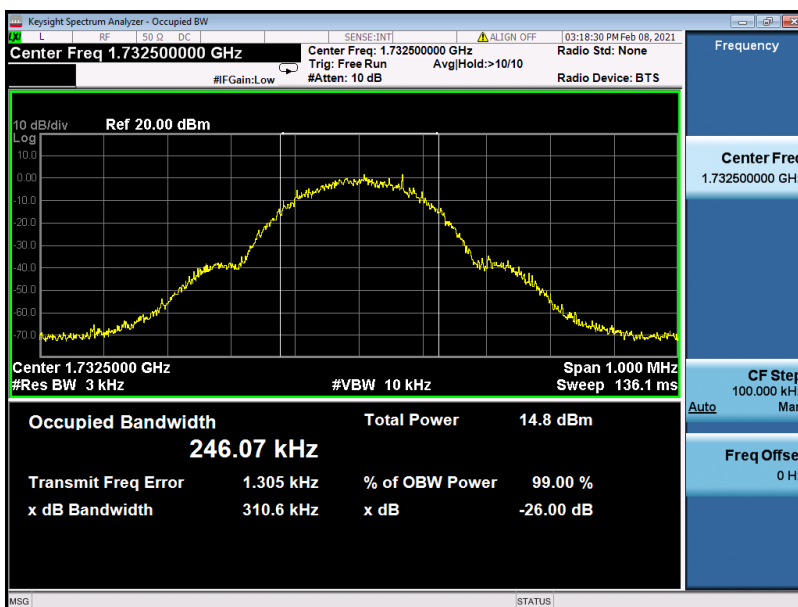
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AWS-1 Band_Input



AWS-1 Band_Output

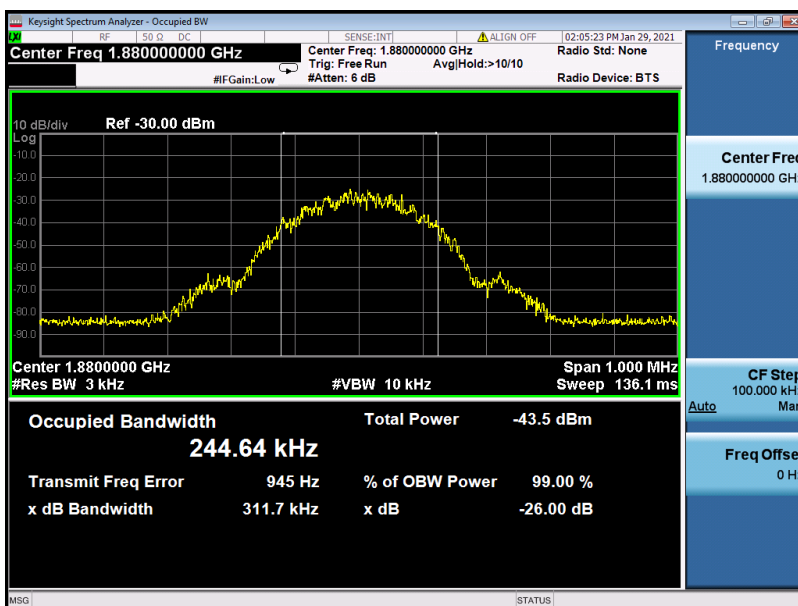


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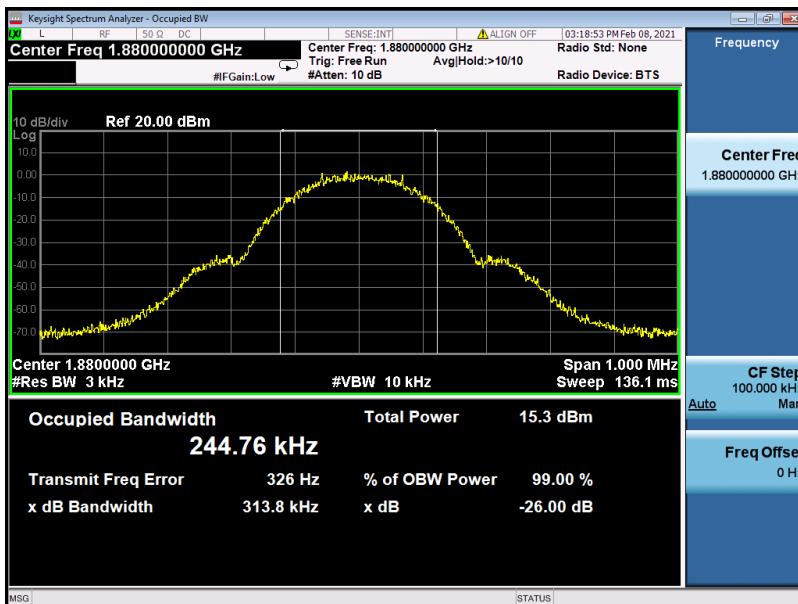
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Broadband PCS Band_Input



Broadband PCS Band_Output

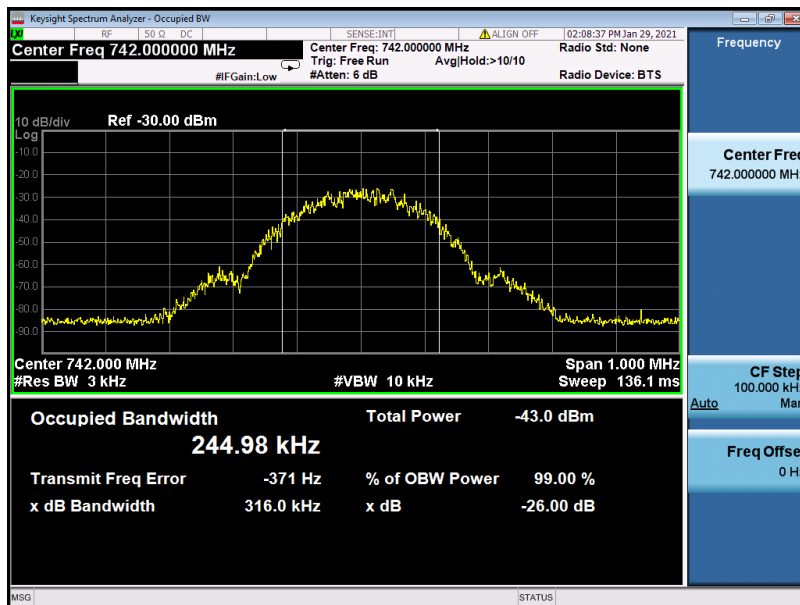


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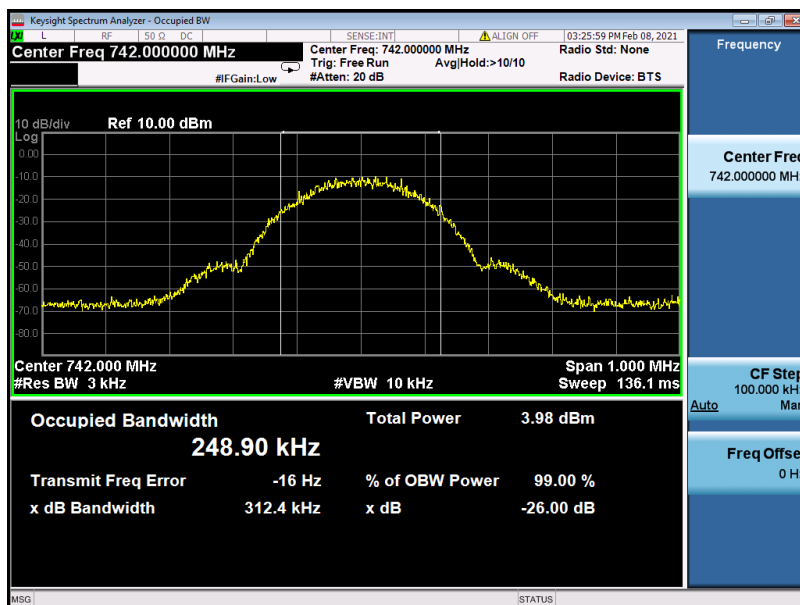
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DOWNLINK_GSM signal type

700MHz (Lower 700MHz + Upper 700MHz) Band_Input



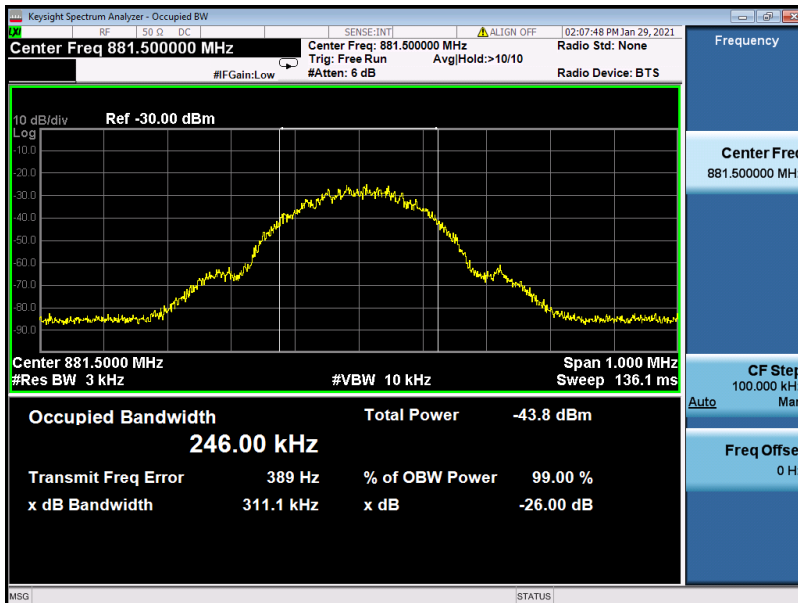
700MHz (Lower 700MHz + Upper 700MHz) Band_Output



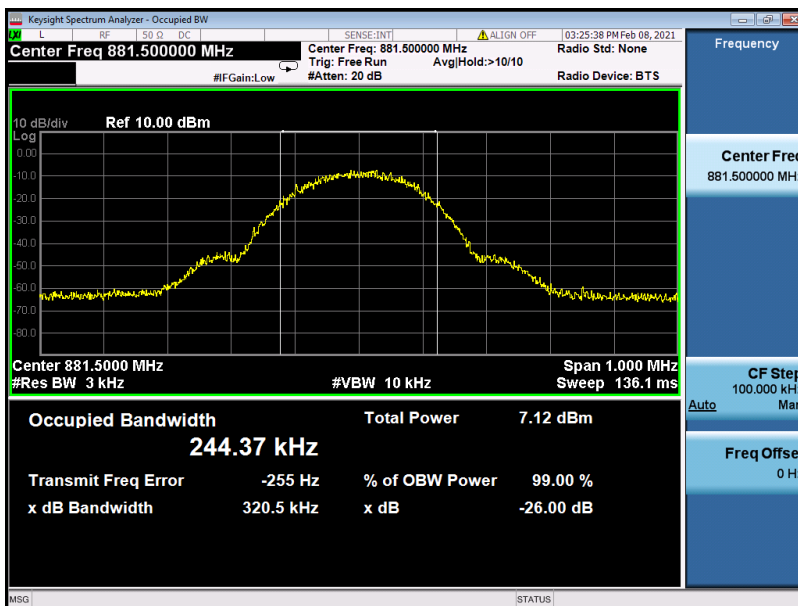
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Cellular Band_Input



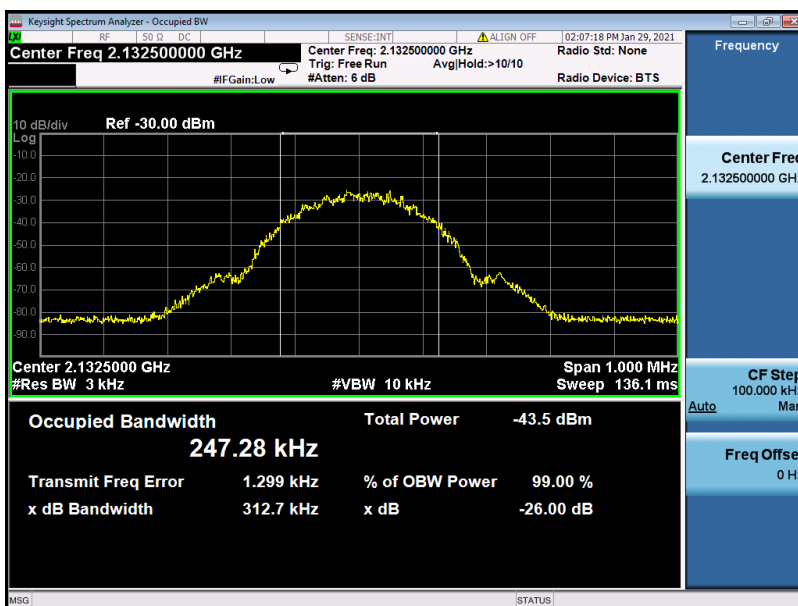
Cellular Band_Output



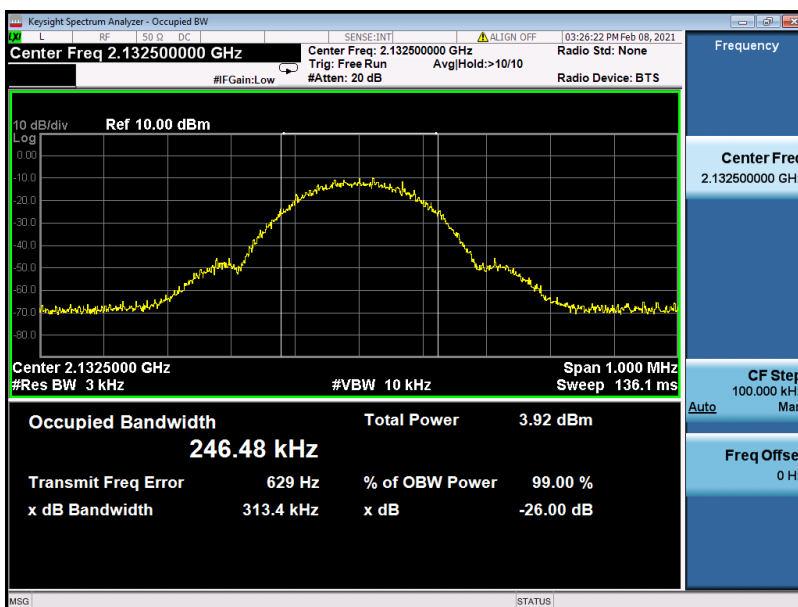
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AWS-1 Band_Input



AWS-1 Band_Output

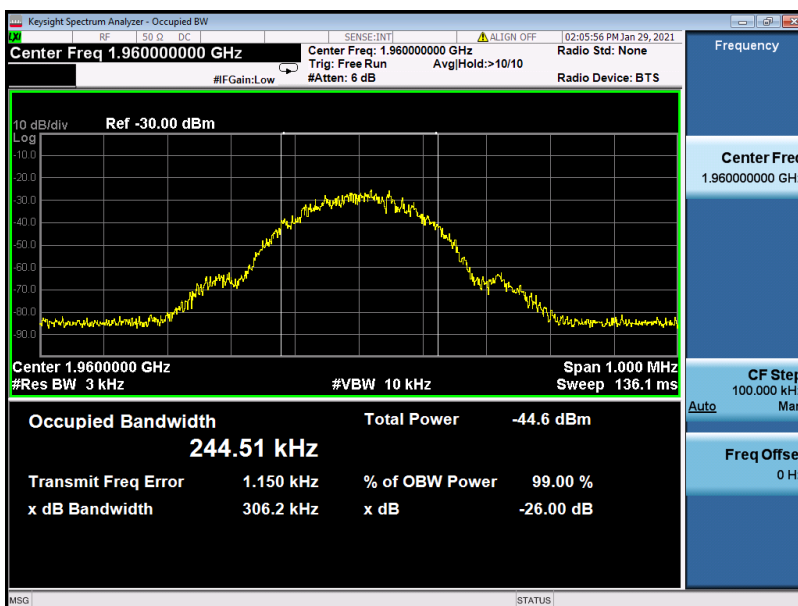


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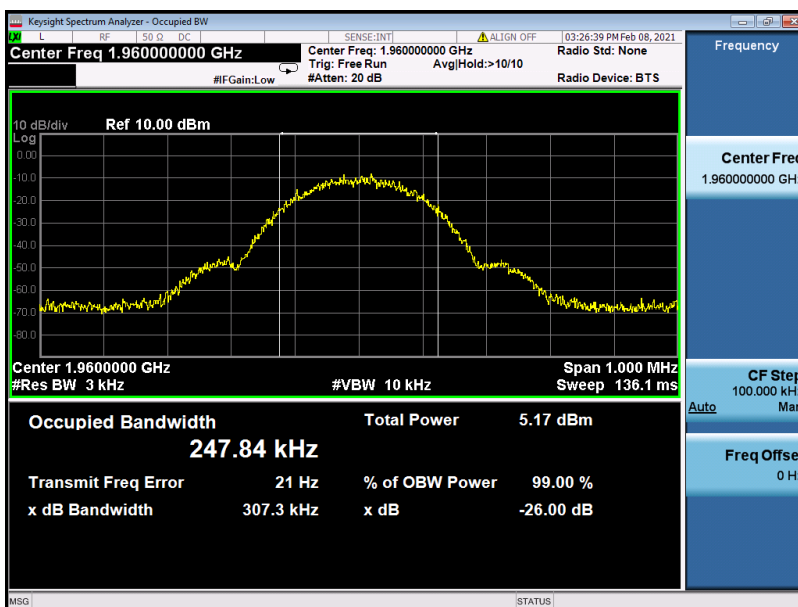
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Broadband PCS Band_Input



Broadband PCS Band_Output



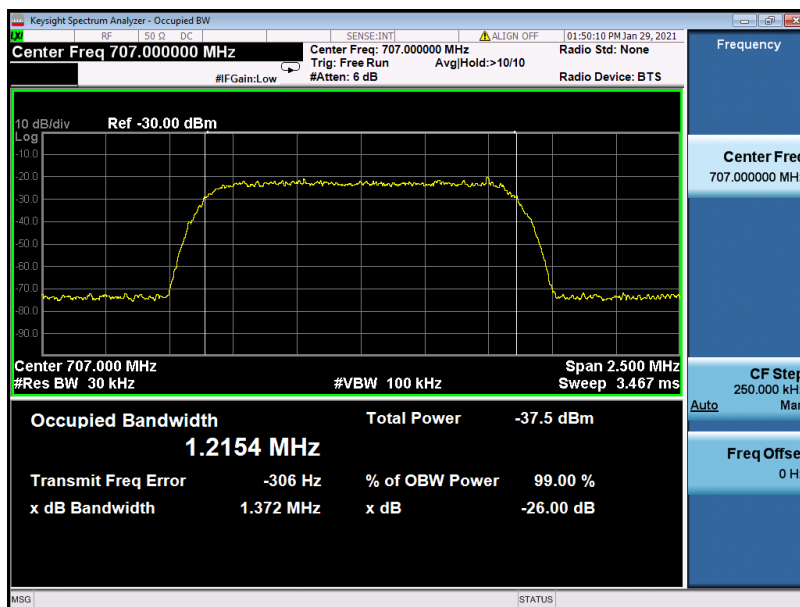
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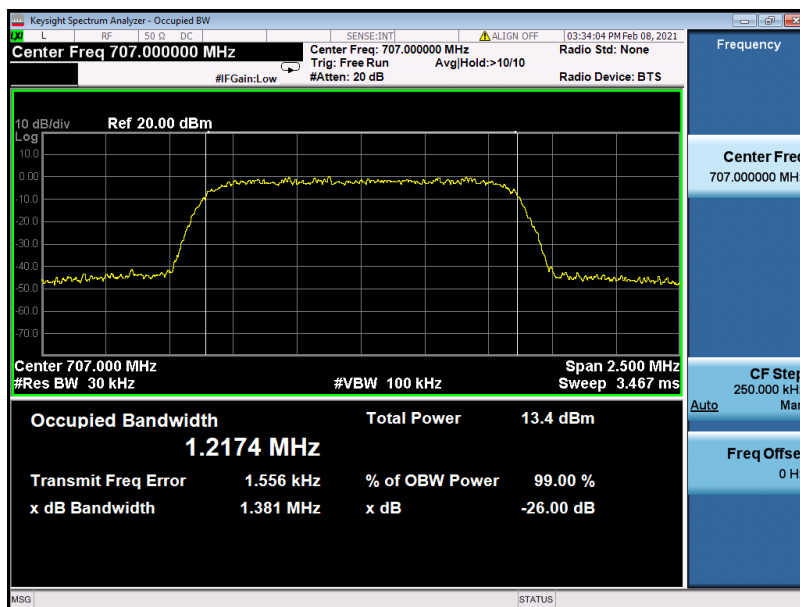
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UPLINK_CDMA signal type

Lower 700MHz Band_Input



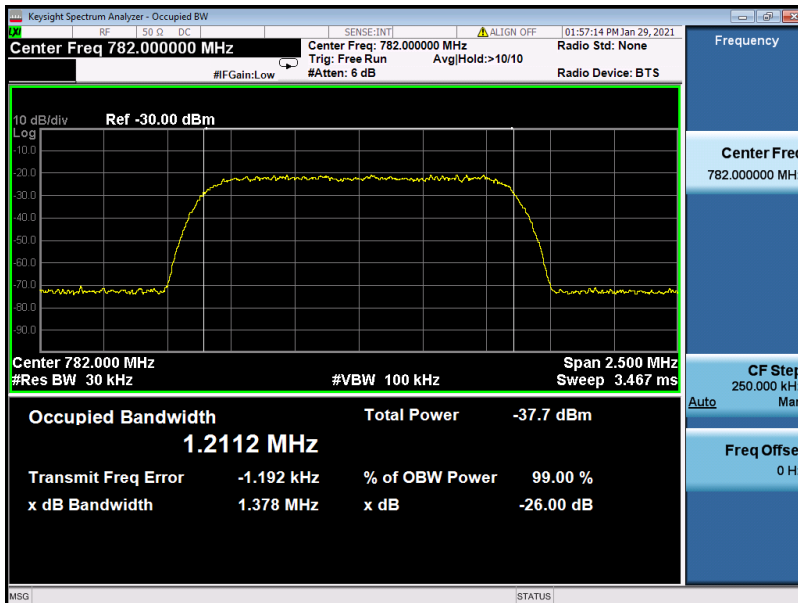
Lower 700MHz Band_Output



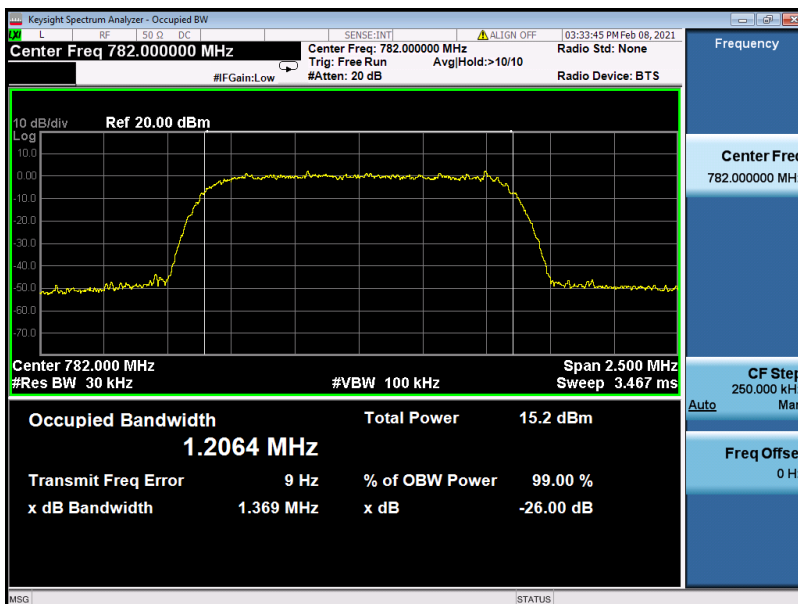
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Upper 700MHz Band_Input



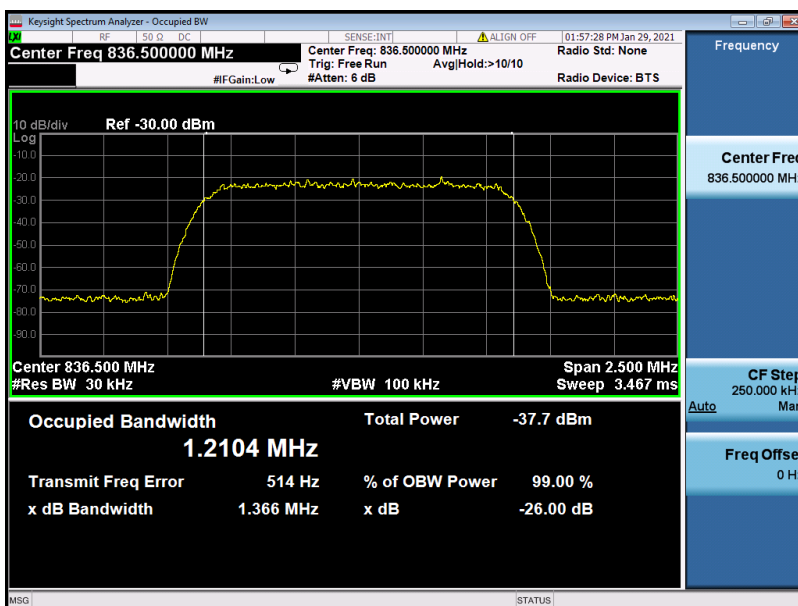
Upper 700MHz Band_Output



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Cellular Band_Input



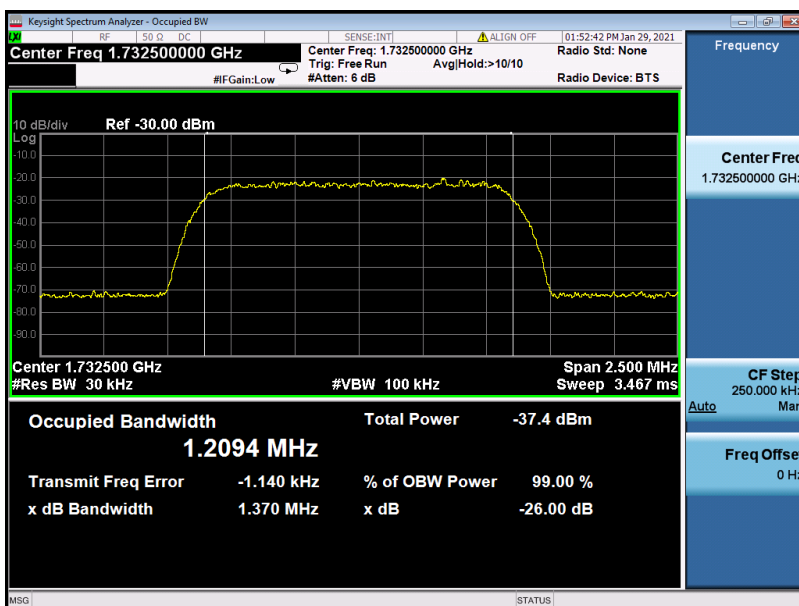
Cellular Band_Output



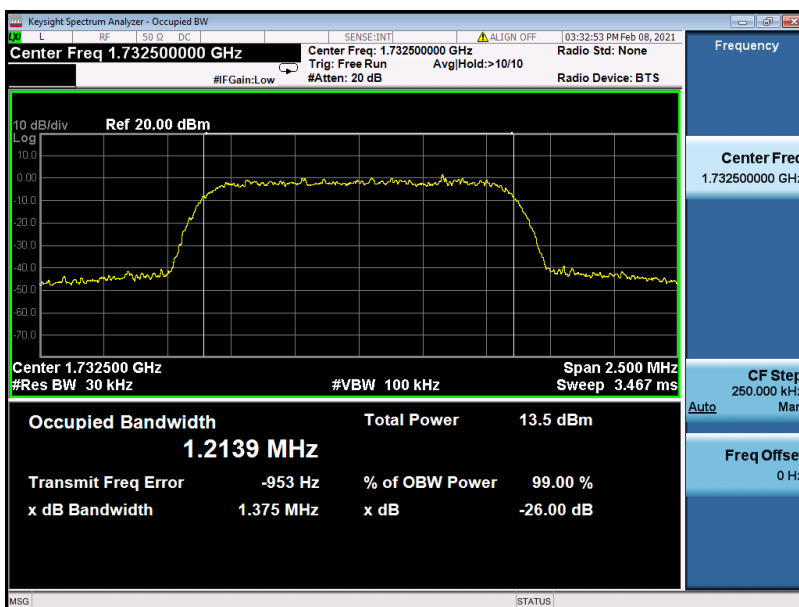
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AWS-1 Band_Input



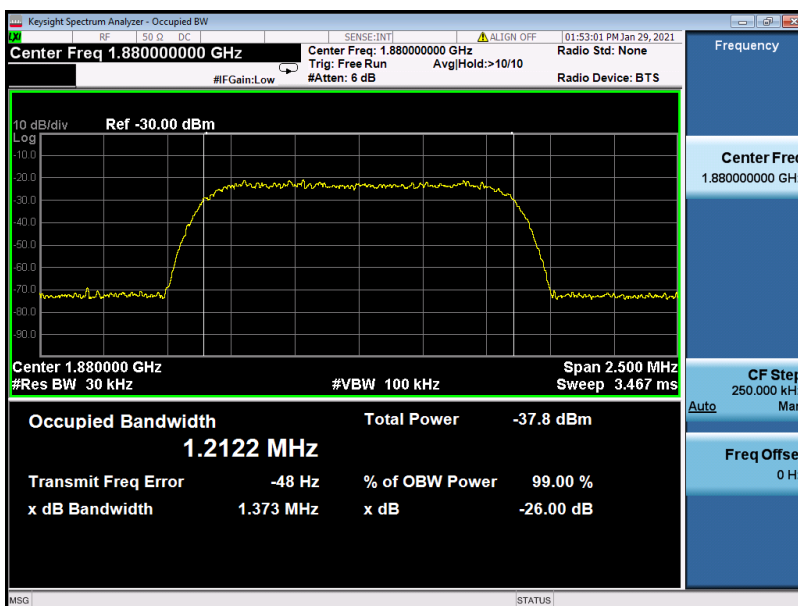
AWS-1 Band_Output



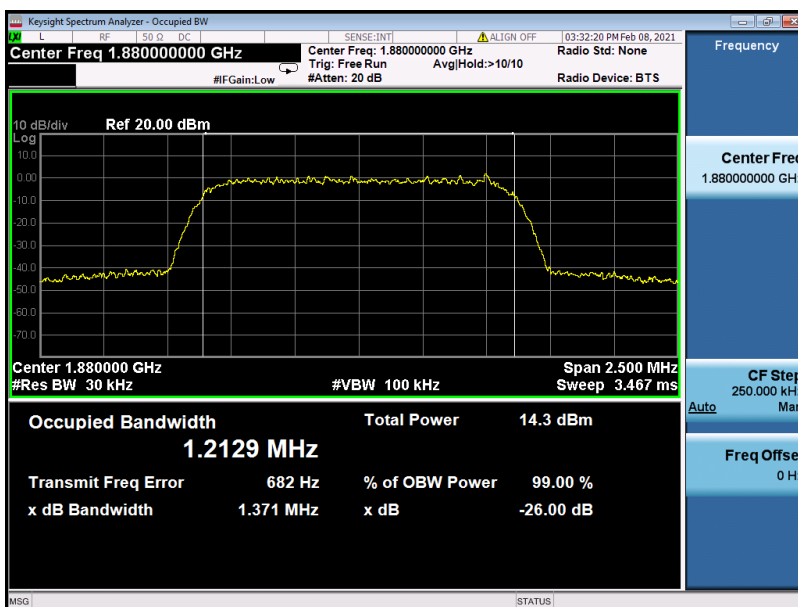
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Broadband PCS Band_Input



Broadband PCS Band_Output

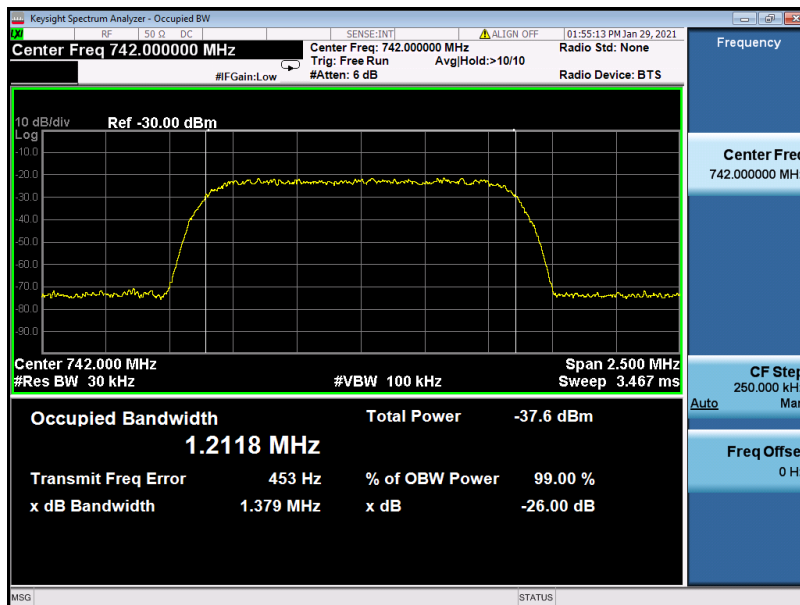


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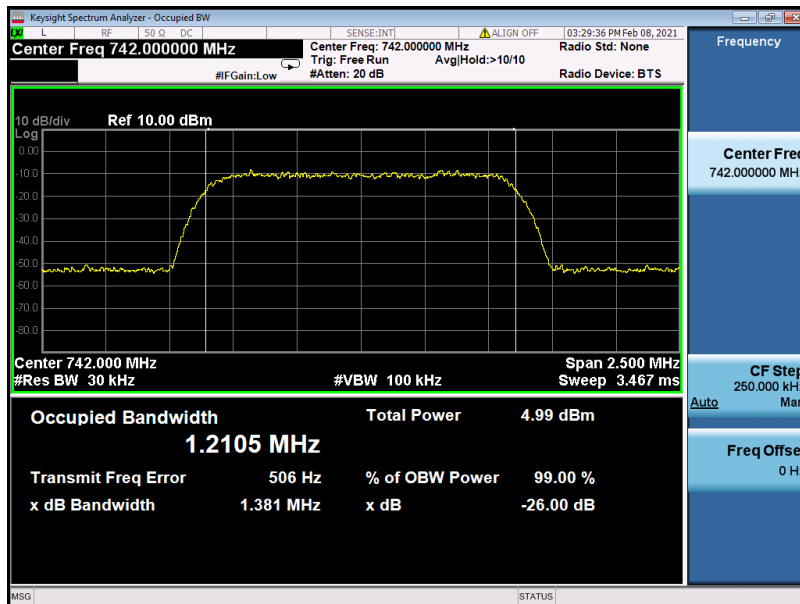
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DOWNLINK_CDMA signal type

700MHz (Lower 700MHz + Upper 700MHz) Band_Input



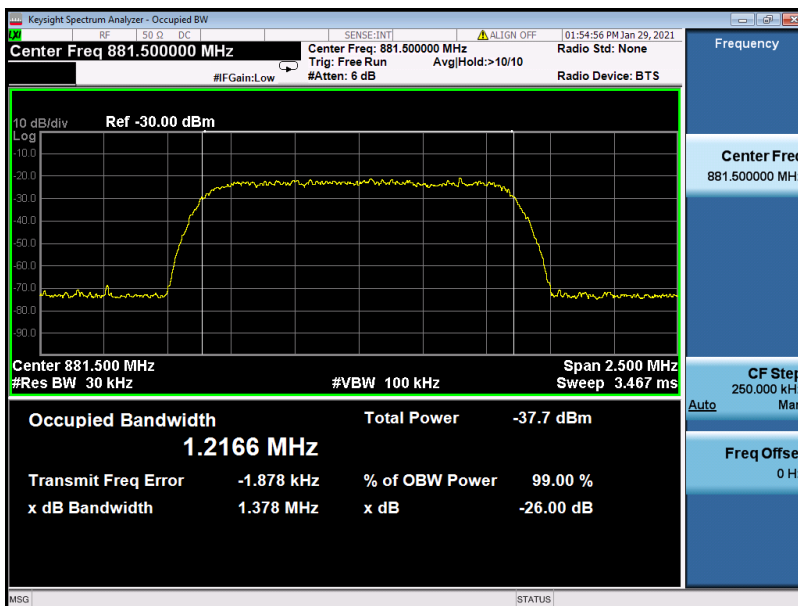
700MHz (Lower 700MHz + Upper 700MHz) Band_Output



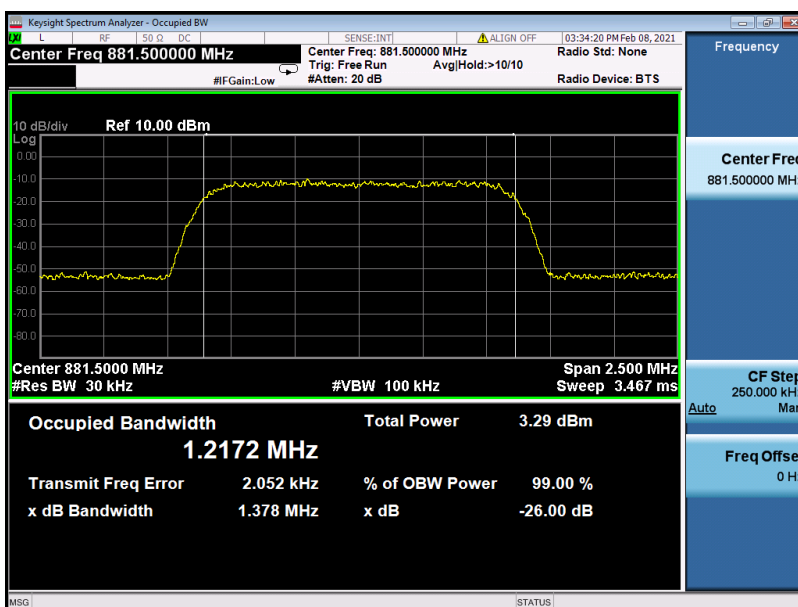
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Cellular Band_Input



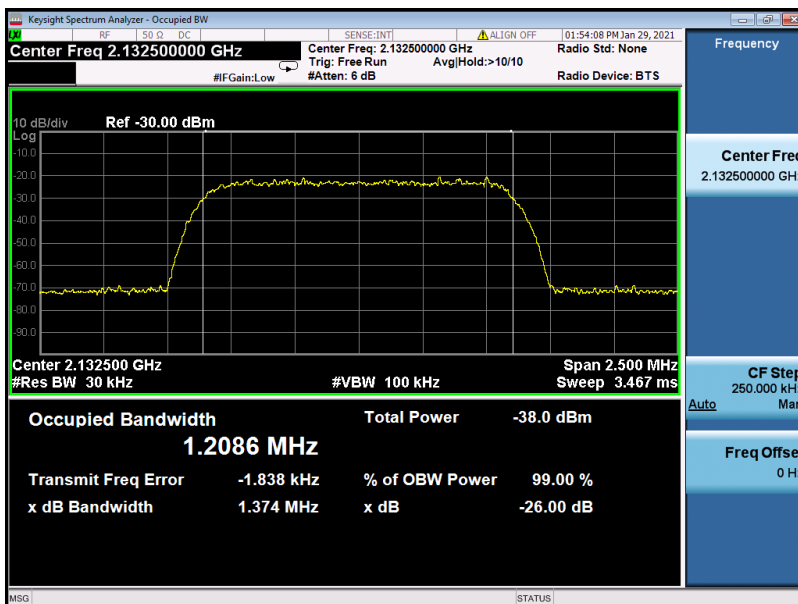
Cellular Band_Output



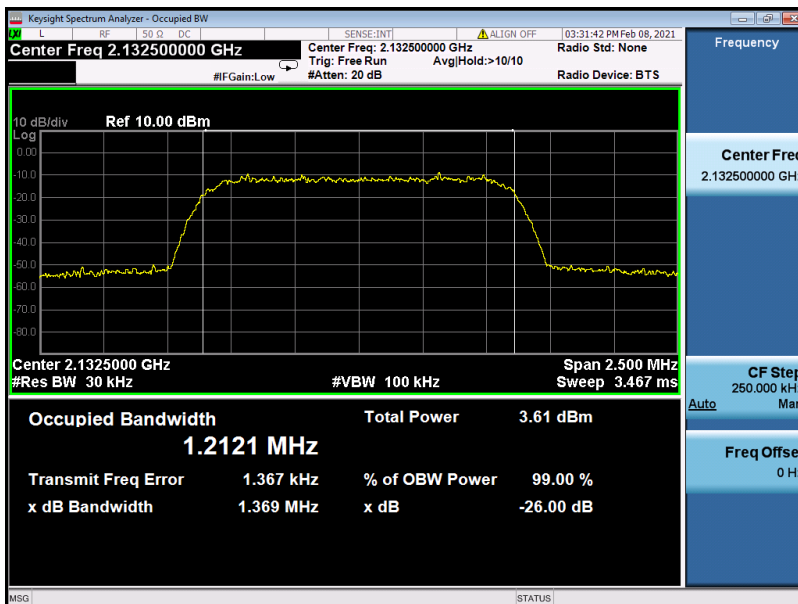
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AWS-1 Band_Input



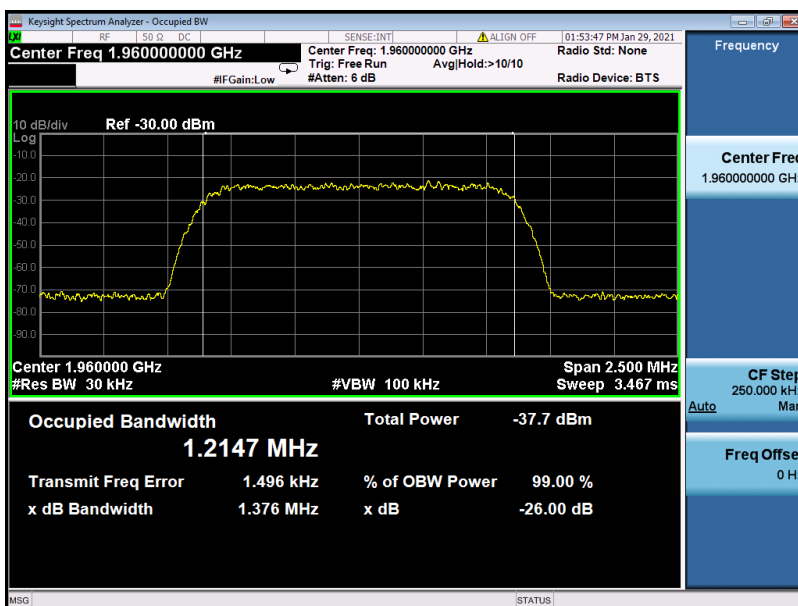
AWS-1 Band_Output



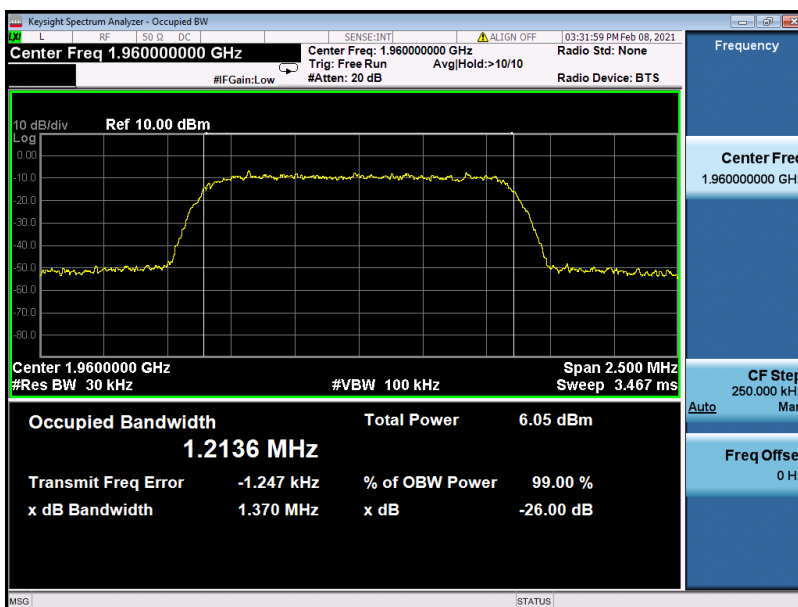
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Broadband PCS Band_Input



Broadband PCS Band_Output

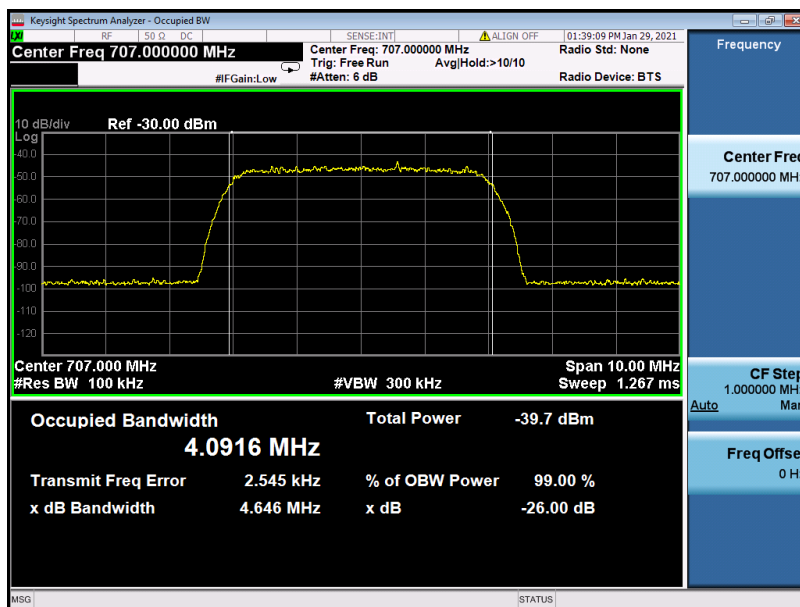


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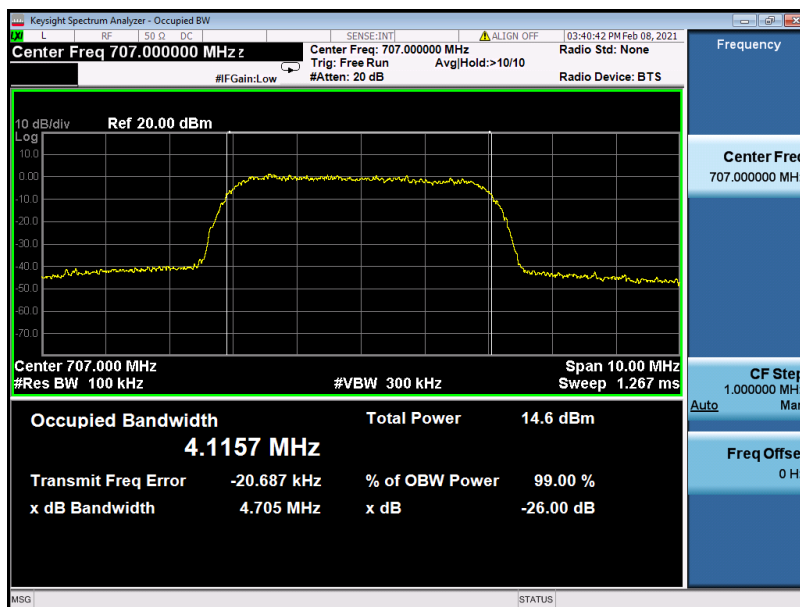
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UPLINK_4.1MHz AWGN signal type

Lower 700MHz Band_Input



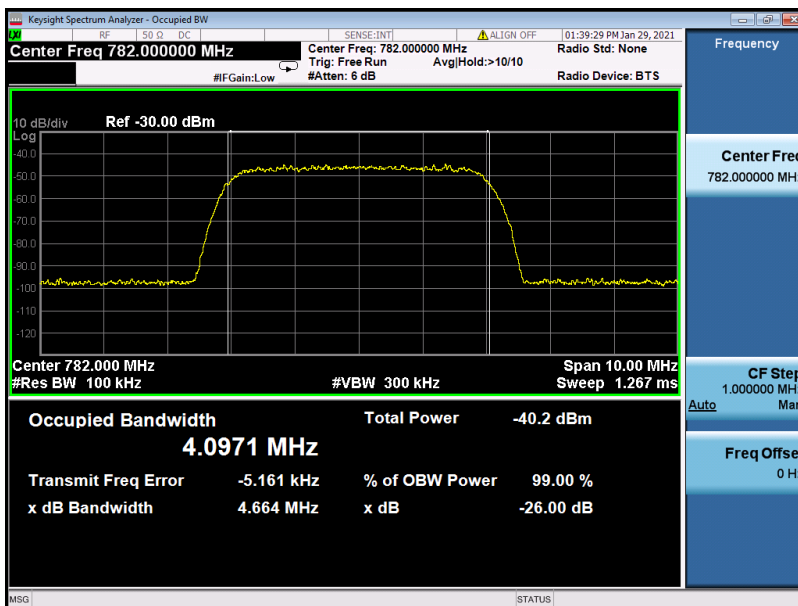
Lower 700MHz Band_Output



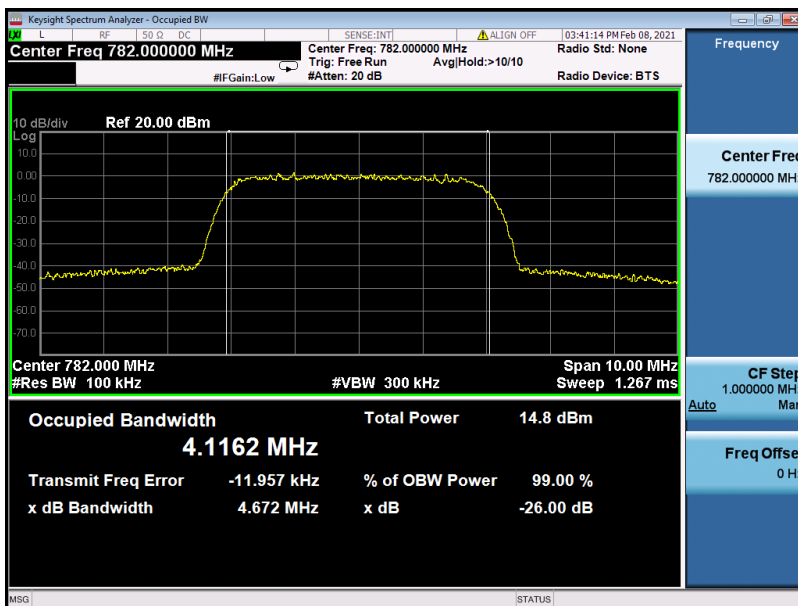
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Upper 700MHz Band_Input



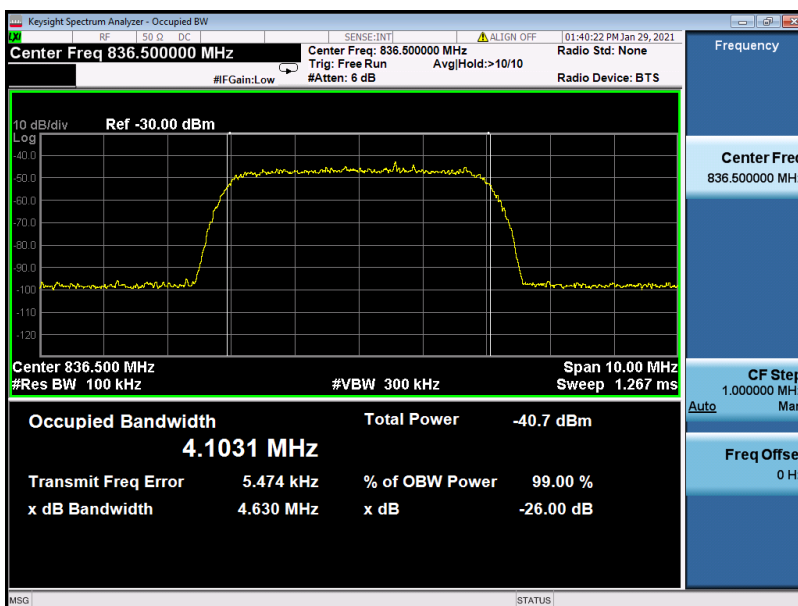
Upper 700MHz Band_Output



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Cellular Band_Input



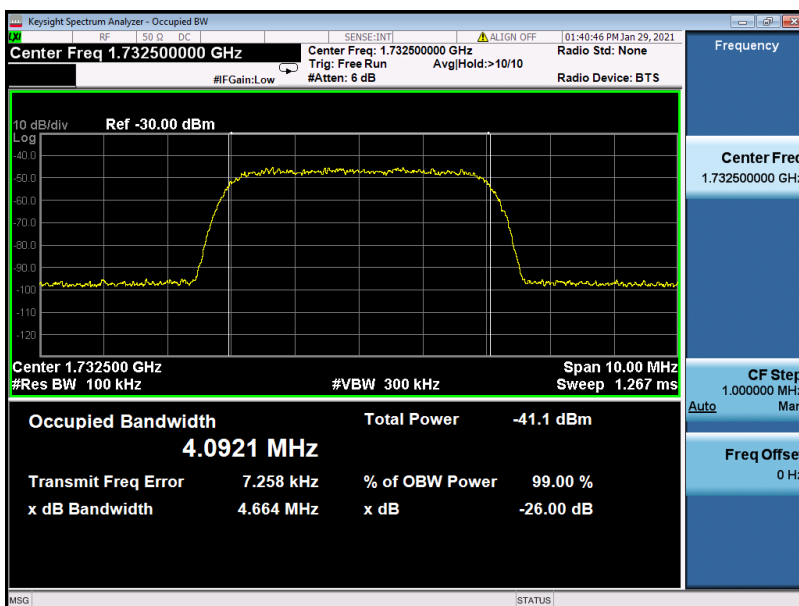
Cellular Band_Output



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AWS-1 Band_Input



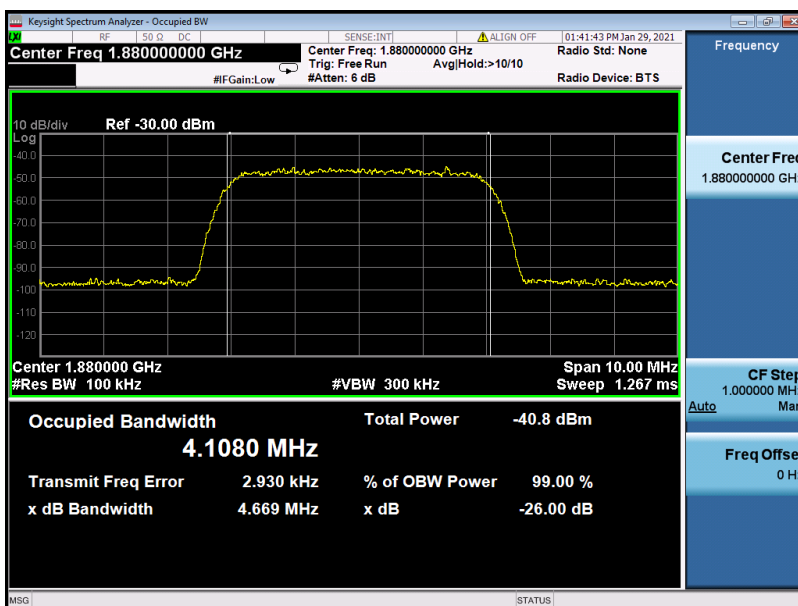
AWS-1 Band_Output



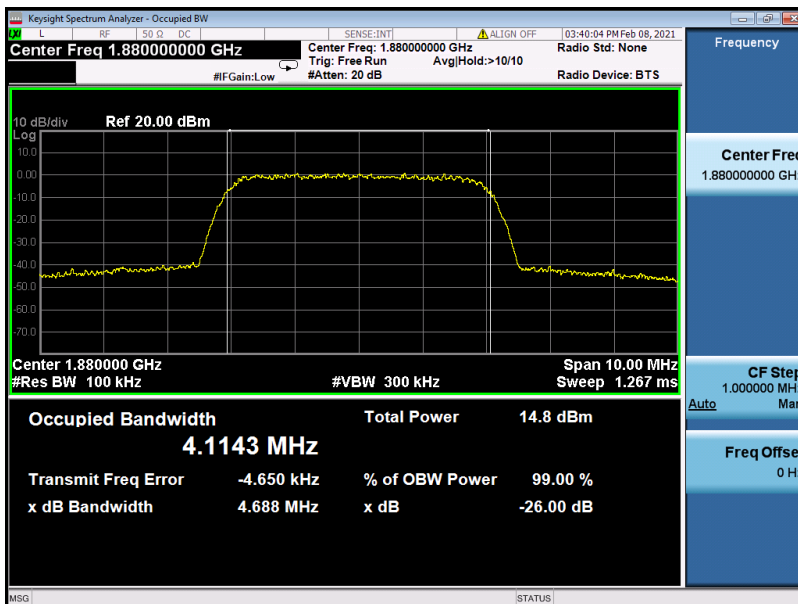
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Broadband PCS Band_Input



Broadband PCS Band_Output



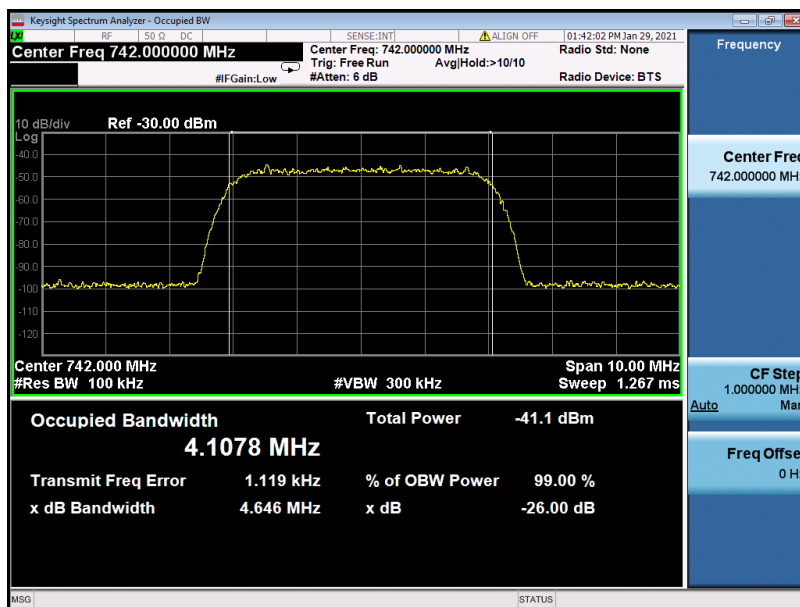
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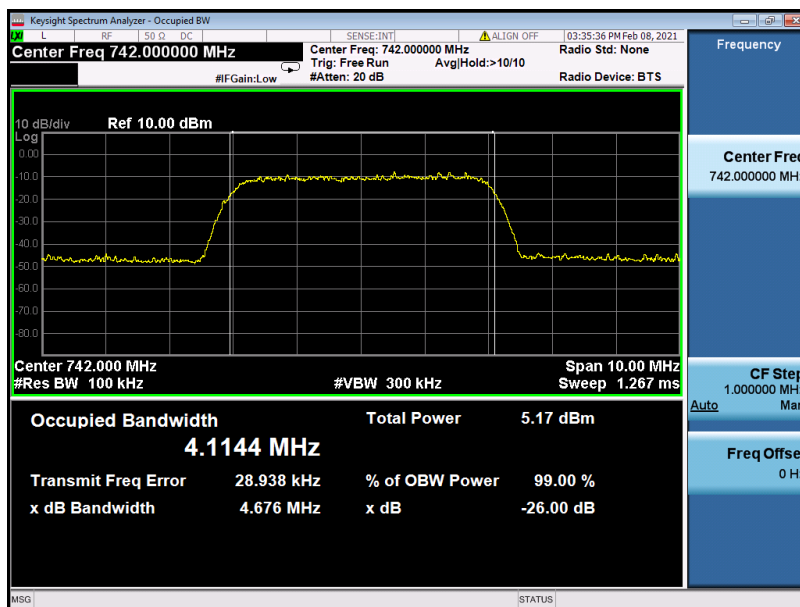
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DOWNLINK_4.1MHz AWGN signal type

700MHz (Lower 700MHz + Upper 700MHz) Band_Input



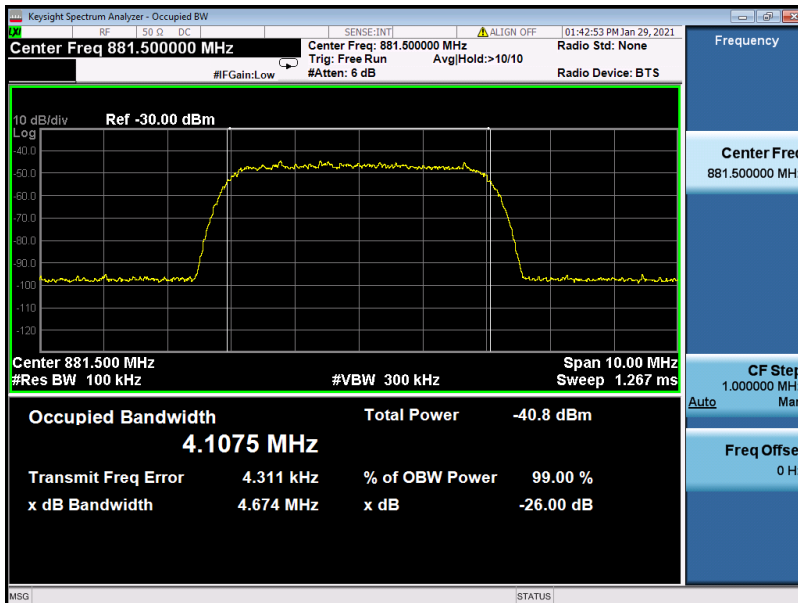
700MHz (Lower 700MHz + Upper 700MHz) Band_Output



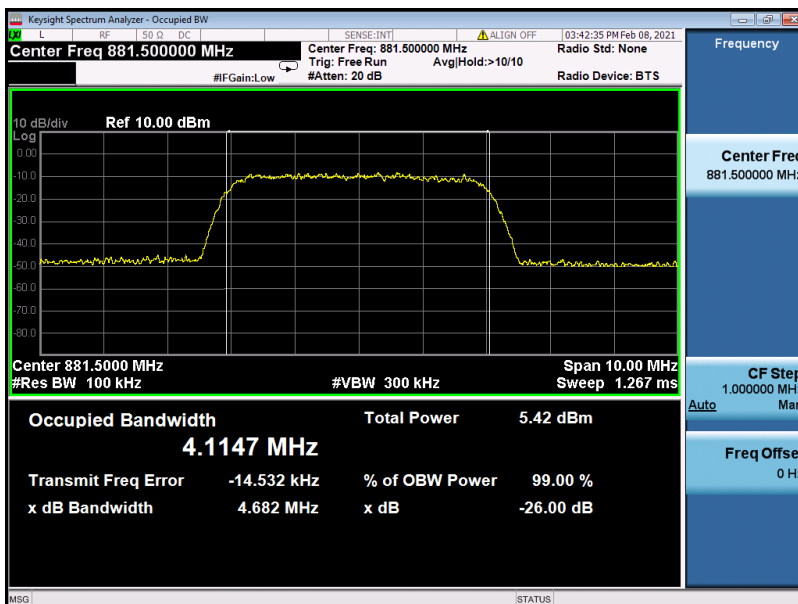
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Cellular Band_Input



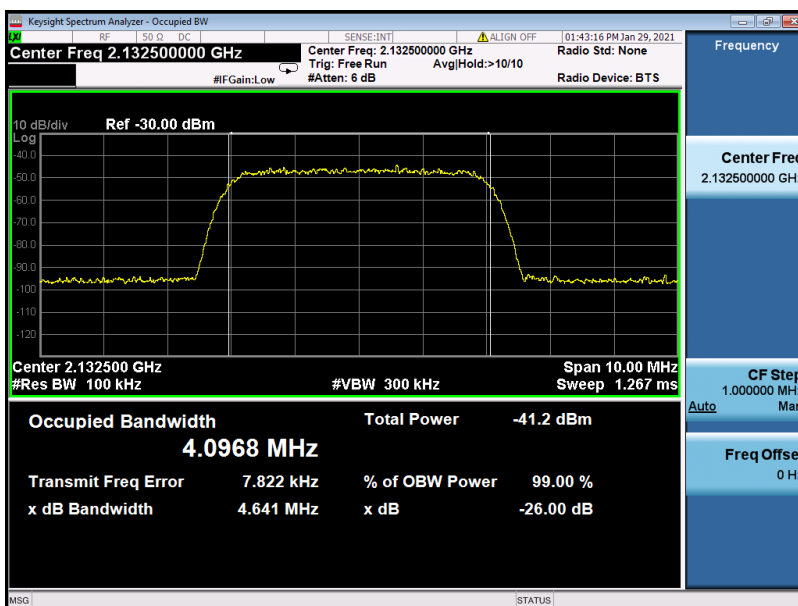
Cellular Band_Output



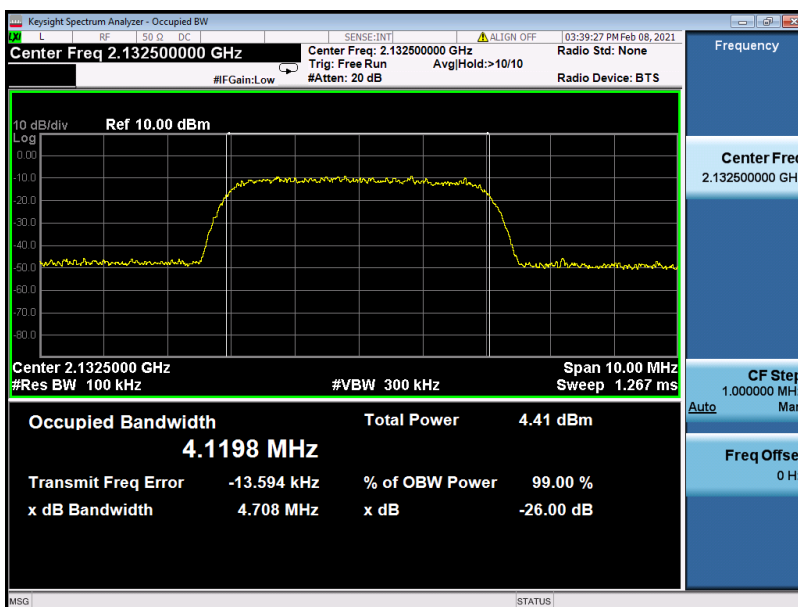
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AWS-1 Band_Input



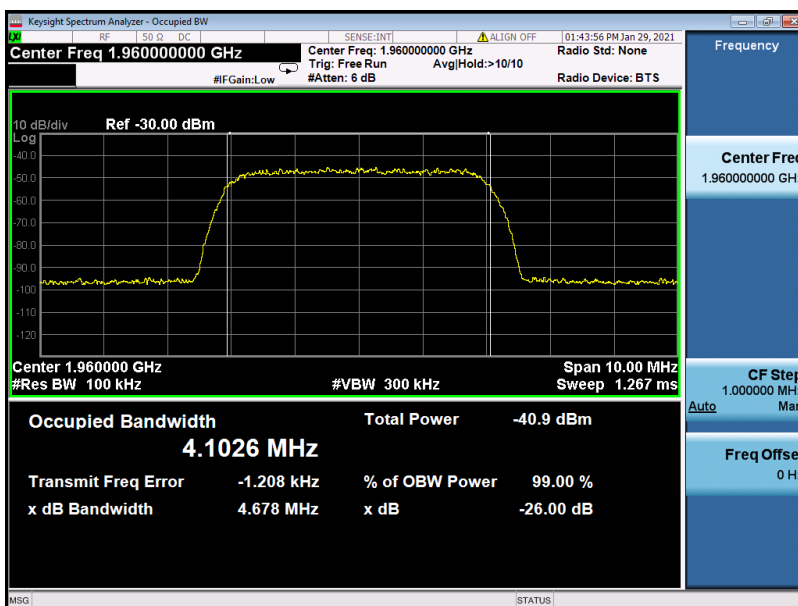
AWS-1 Band_Output



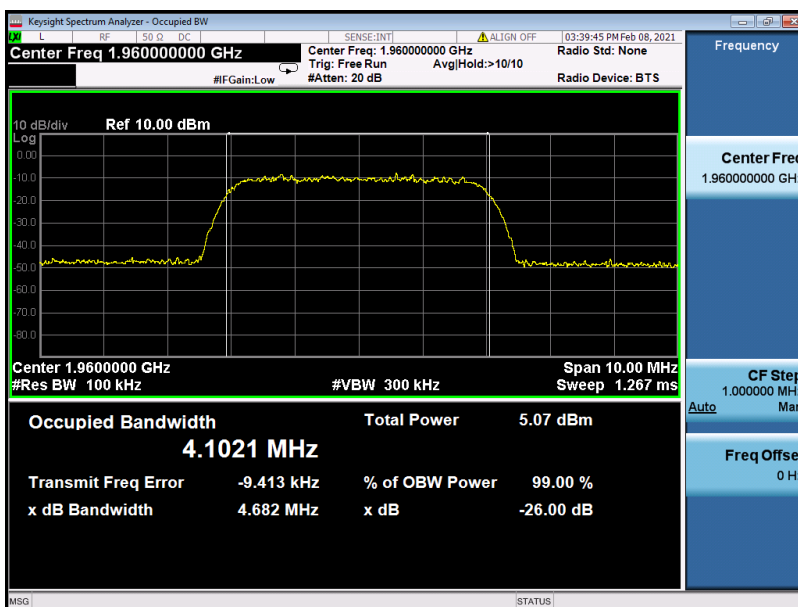
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Broadband PCS Band_Input



Broadband PCS Band_Output



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Guangzhou Branch**

Application No.: GZEM2101000418CR

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FCC ID: 2AYTR-SZZJ1

11 Oscillation detection

Note: 1. EUT amplifies Lower 700MHz downlink (728-746MHz) and upper 700MHz downlink (746-756MHz) together, so combined frequency was measured for oscillation detection in this report, the center frequency is 742MHz.



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center EEC Laboratory

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FCC ID: 2AYTR-SZZJ1

Oscillation Restart Tests									
Path	Band	Detection Time (s)	Limit (s)	Oscillation Level (dBm)	Restart Time (s)	Limit (s)	Number of Restart	Limit (s)	Verdict
UPLINK	Lower 700MHz	0.155	≤0.3	6.84	62.0	≥60	5	≤5	PASS
	Upper 700MHz	0.170		7.52	62.0		4		PASS
	Cellular	0.165		10.83	62.0		5		PASS
	AWS-1	0.225		-0.05	62.4		5		PASS
	Broadband PCS	0.200		9.65	62.4		5		PASS
DOWNLINK	700MHz	0.185	≤1	-2.25	62.0		5		PASS
	Cellular	0.195		-0.16	62.0		5		PASS
	AWS-1	0.235		-4.14	62.0		5		PASS
	Broadband PCS	0.220		-4.66	61.6		5		PASS



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Variable Gain						
Path	Band	Max. Gain (dB)	ISO ¹ (dB)	Measured Value ² (dB)	Limit (dB)	Verdict
UPLINK	Lower 700MHz	59.06	5	4.45	≤12	PASS
			4	6.72		PASS
			3	9.43		PASS
			2	10.55		PASS
			1	/		PASS ³
			0	/		PASS ³
			-1	/		PASS ³
			-2	/		PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³
	Upper 700MHz	58.45	5	2.34		PASS
			4	4.56		PASS
			3	5.31		PASS
			2	6.89		PASS
			1	7.03		PASS
			0	9.35		PASS
			-1	10.89		PASS
			-2	/		PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³
	Cellular	57.86	5	5.82		PASS
			4	6.32		PASS
			3	8.53		PASS
			2	/		PASS ³



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UPLINK	Cellular	57.86	1	/	≤12	PASS ³
			0	/		PASS ³
			-1	/		PASS ³
			-2	/		PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³
	AWS-1	59.04	5	7.89	≤12	PASS
			4	8.14		PASS
			3	10.45		PASS
			2	/		PASS ³
			1	/		PASS ³
			0	/		PASS ³
			-1	/		PASS ³
			-2	/		PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³
	Broadband PCS	59.33	5	3.48		PASS
			4	5.03		PASS
			3	6.64		PASS
			2	7.04		PASS
			1	9.23		PASS
			0	/		PASS ³
			-1	/		PASS ³
			-2	/		PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³



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DOWNLINK	700MHz	61.23	5	4.33	≤12	PASS
			4	4.92		PASS
			3	6.54		PASS
			2	8.75		PASS
			1	/		PASS ³
			0	/		PASS ³
			-1	/		PASS ³
			-2	/		PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³
	Cellular	60.23	5	7.00		PASS
			4	7.87		PASS
			3	9.54		PASS
			2	/		PASS ³
			1	/		PASS ³
			0	/		PASS ³
			-1	/		PASS ³
			-2	/		PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³
	AWS-1	58.67	5	4.32		PASS
			4	6.43		PASS
			3	6.98		PASS
			2	7.45		PASS
			1	9.76		PASS
			0	10.14		PASS
			-1	/		PASS ³



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DOWNLINK	AWS-1	58.67	-2	/	≤12	PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³
	Broadband PCS	60.74	5	7.56		PASS
			4	10.05		PASS
			3	10.87		PASS
			2	/		PASS ³
			1	/		PASS ³
			0	/		PASS ³
			-1	/		PASS ³
			-2	/		PASS ³
			-3	/		PASS ³
			-4	/		PASS ³
			-5	/		PASS ³

Remark:

1. ISO is the insertion loss between the booster donor port and server and its level is expressed in dB relative to the maximum gain.
2. The value is the difference between the peak oscillation level measured and the lowest output level measured.
- 3 It demonstrated compliance to the requirement without test data because the EUT shut down within 300s after oscillation.

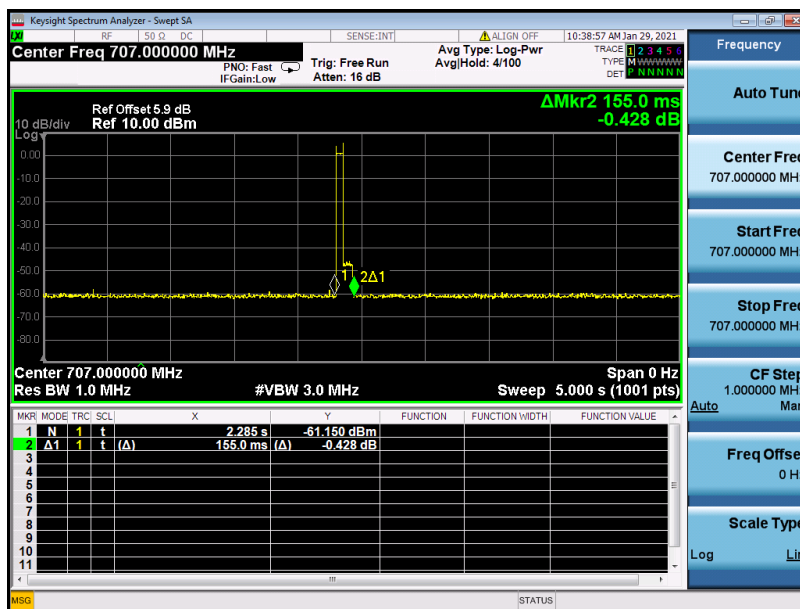


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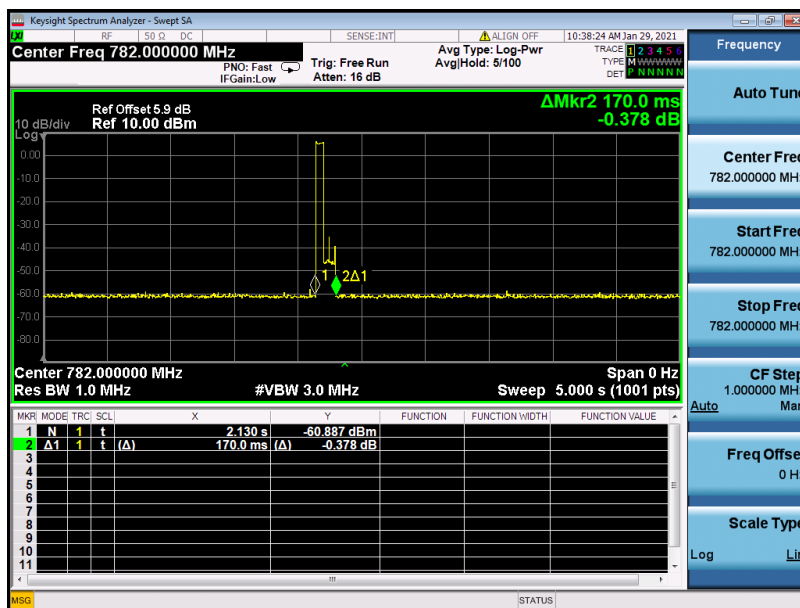
Oscillation Restart Test_Detection time

UPLINK

Lower 700MHz Band



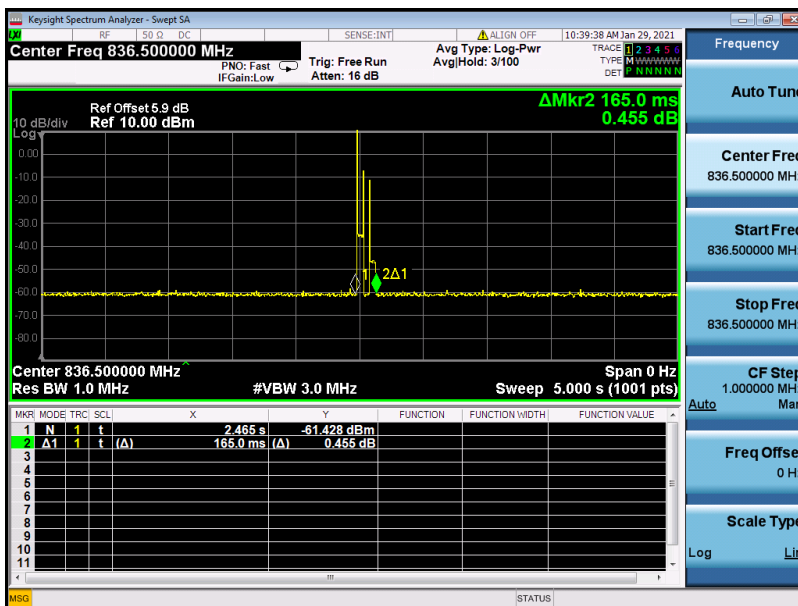
Upper 700MHz Band



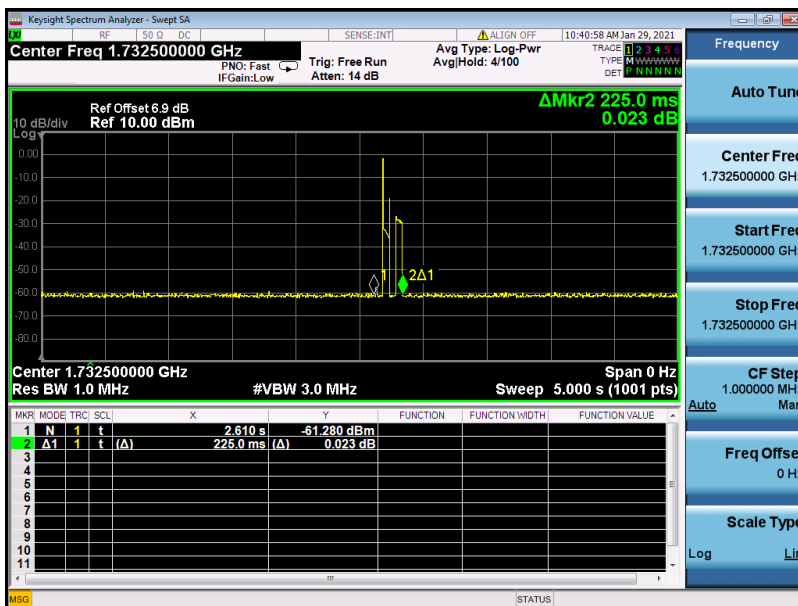
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Cellular Band



AWS-1 Band

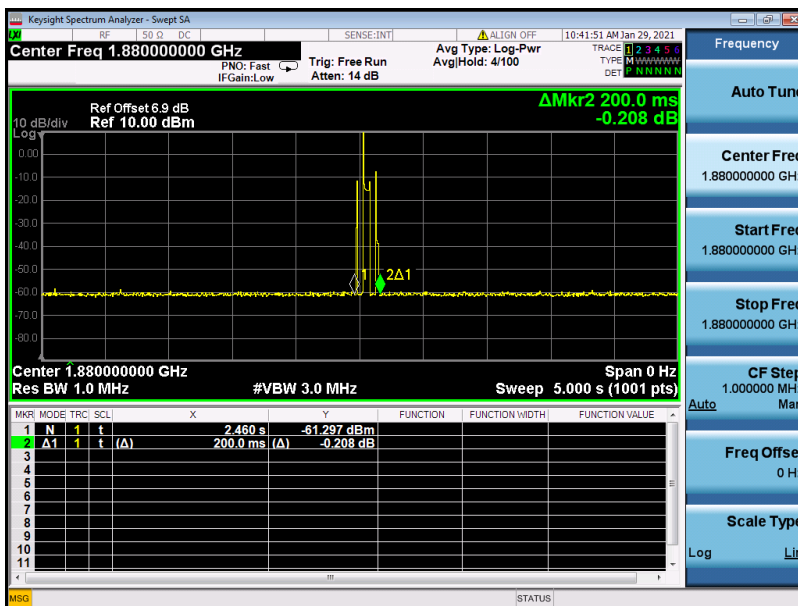


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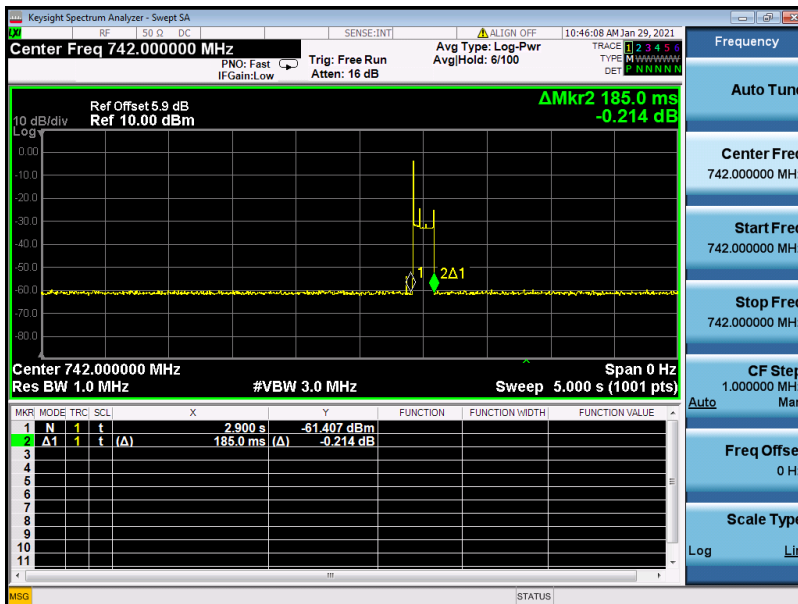
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Broadband PCS Band



DOWNLINK

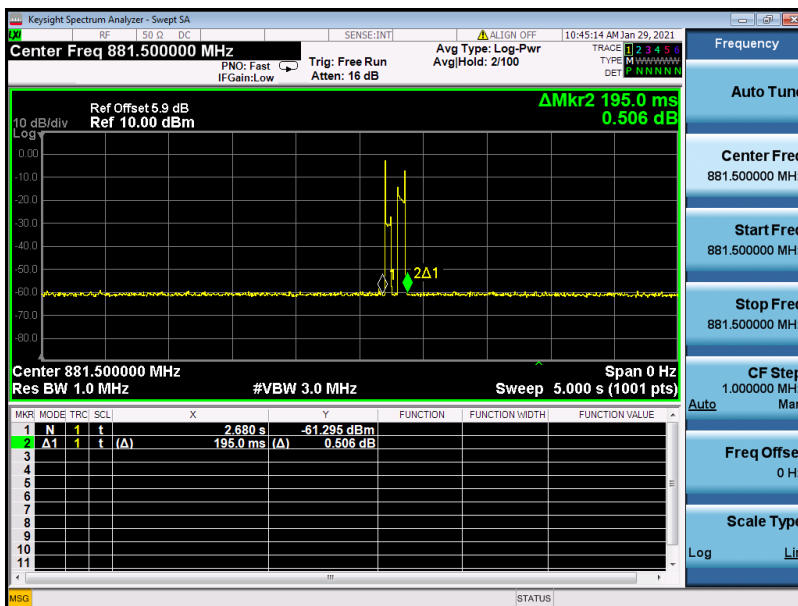
700MHz (Lower 700MHz + Upper 700MHz) Band



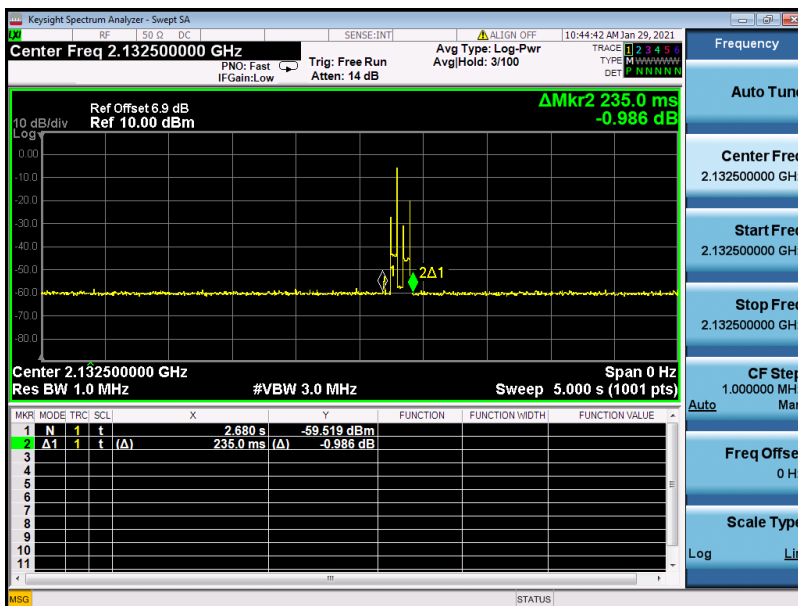
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Cellular Band



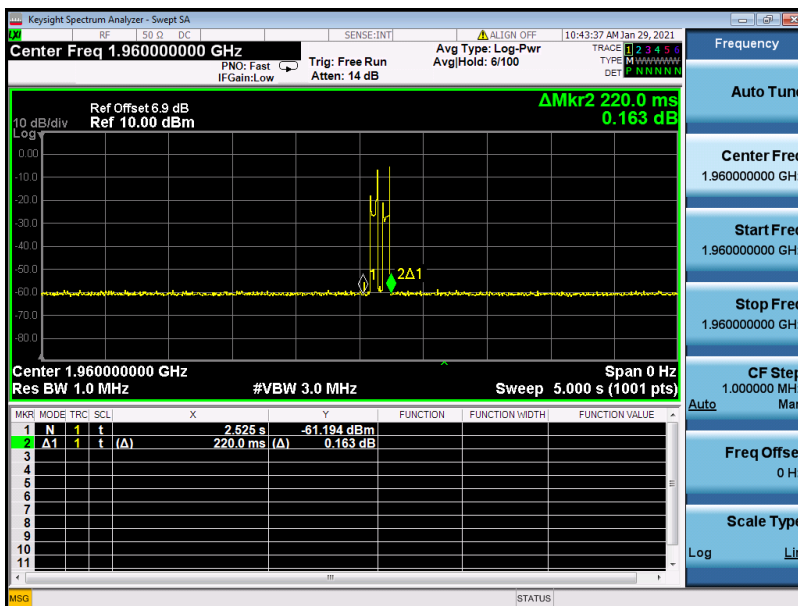
AWS-1 Band



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Broadband PCS Band



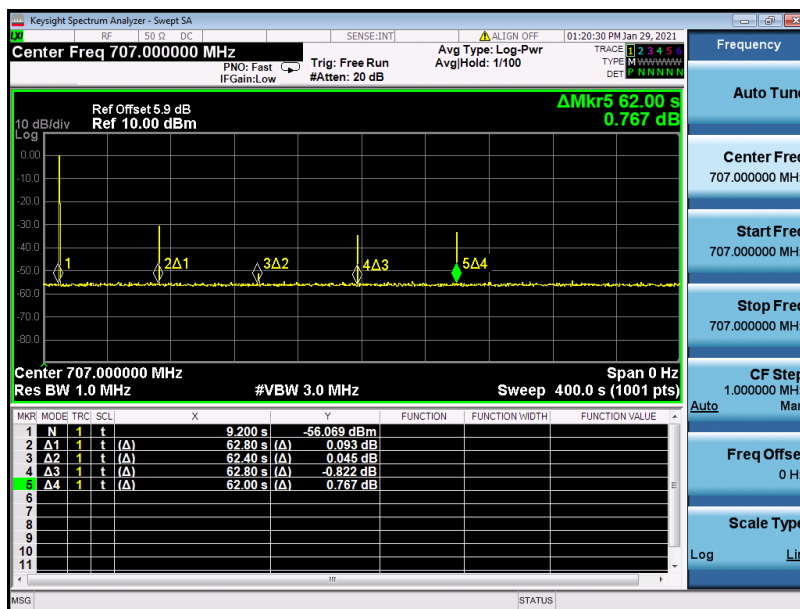
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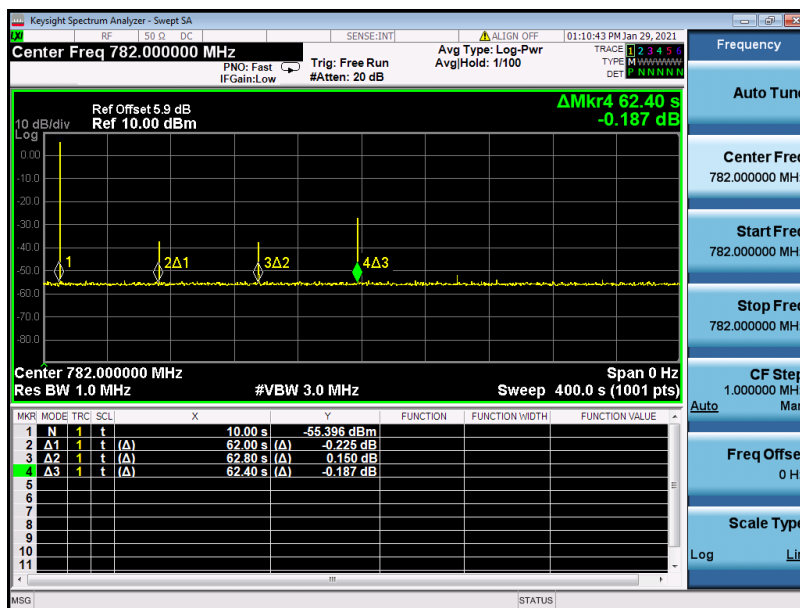
Oscillation Restart Test_Restart time

UPLINK

Lower 700MHz Band



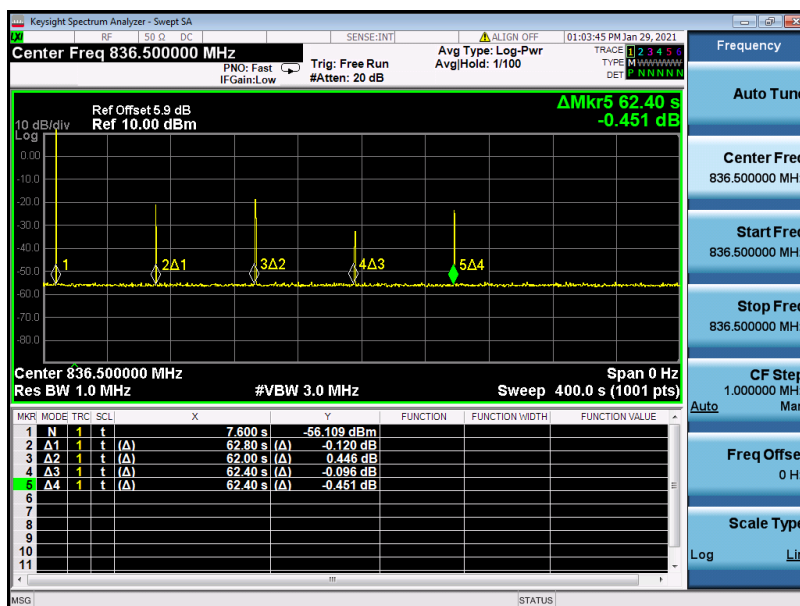
Upper 700MHz Band



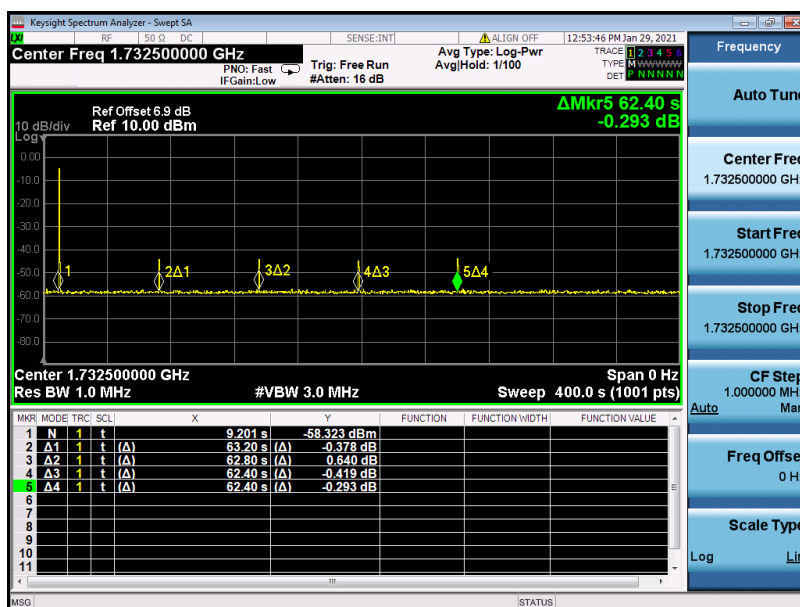
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Cellular Band



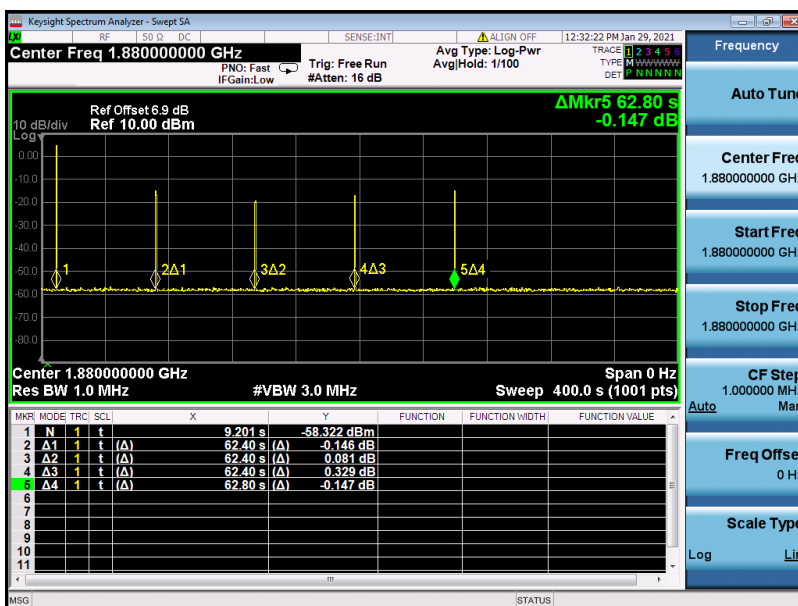
AWS-1 Band



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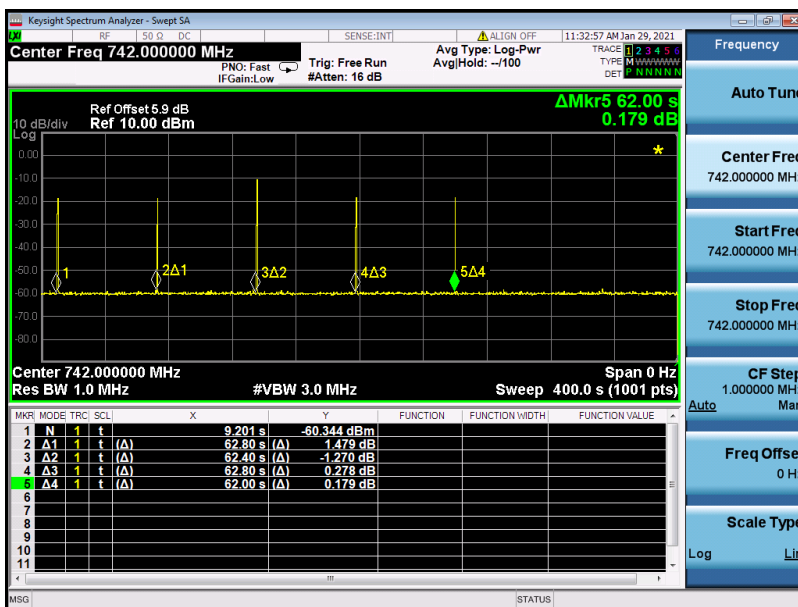
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Broadband PCS Band



DOWNLINK

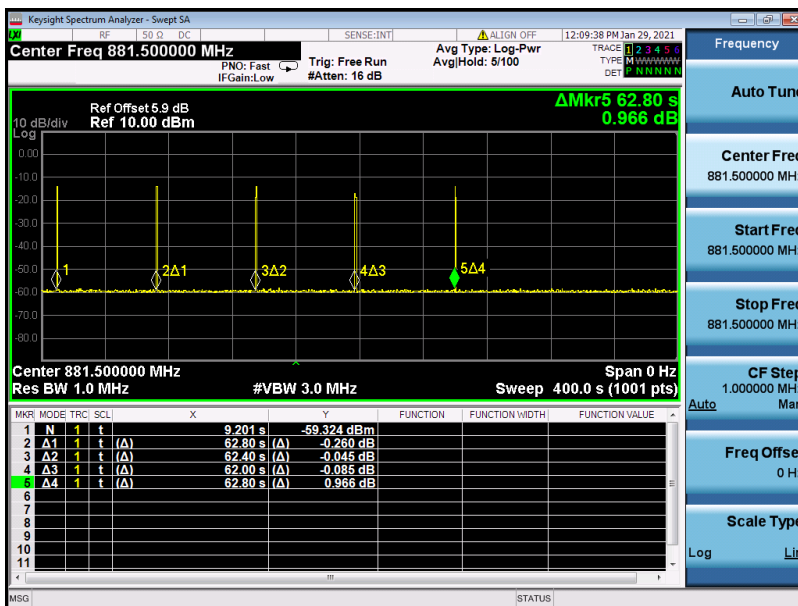
700MHz (Lower 700MHz + Upper 700MHz) Band



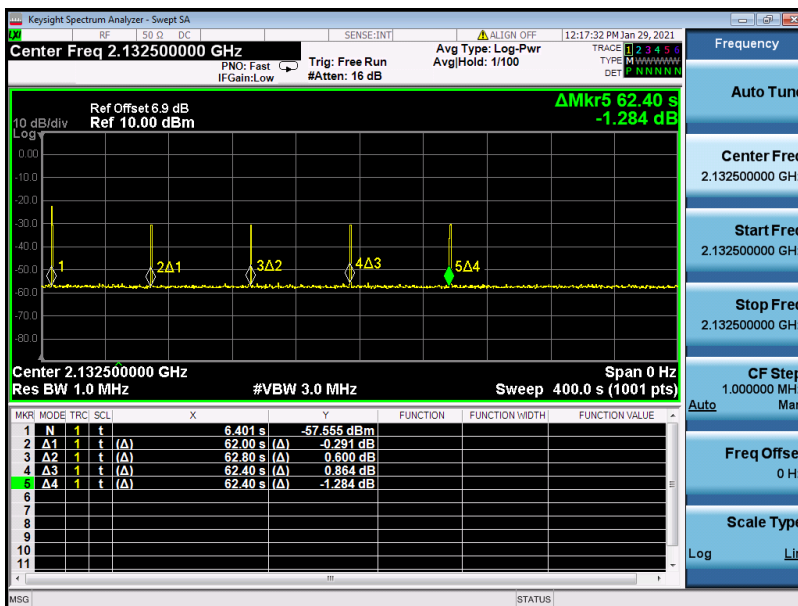
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Cellular Band



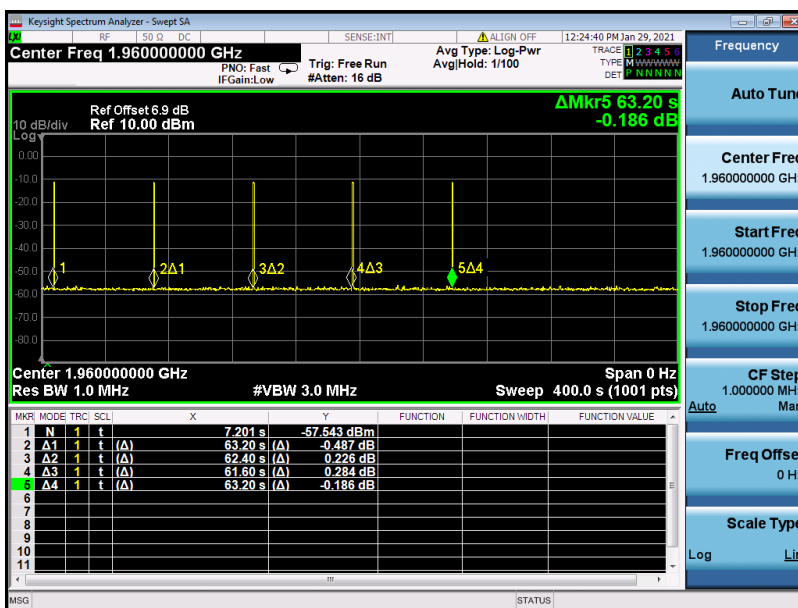
AWS-1 Band



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Broadband PCS Band



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12 Radiated spurious emissions

Note:

1. 20.21(e)(8)(i)(E) Out of Band Emission Limits:

Booster out of band emissions (OOBE) shall be at least 6 dB below the FCC's mobile emission limits for the supported bands of operation.

27.53(c)

For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

So,

The limit = $\{P - [43 + 10 \log (P)]\} - 6\text{dB} = -19\text{dBm}$

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

So,

The limit = $\{P - [43 + 10 \log (P)]\} - 6\text{dB} = -19\text{dBm}$

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

So,

The limit = $\{P - [76 + 10 \log (P)]\} - 6\text{dB} = -52\text{dBm}$

27.53(f)

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

27.53(g)

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB.

So,

The limit = $\{P - [43 + 10 \log (P)]\} - 6\text{dB} = -19\text{dBm}$

27.53(h)

the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

So,

The limit = $\{P - [43 + 10 \log (P)]\} - 6\text{dB} = -19\text{dBm}$



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22.917

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

So,

The limit = $\{P - [43 + 10 \log(P)]\} - 6\text{dB} = -19\text{dBm}$

2. The Radiated test performed at bottom, middle, top channel, the data with more than 20dB margin, therefore, only the worst-case middle channel test data was recorded in this report.

3. The Radiated test performed at uplink and downlink mode, the data with more than 20 dB margin, therefore, only the worst-case uplink mode test data was recorded in this report.

4. The disturbance 9kHz to 30MHz was very low and 20dB below the limit, therefore, the data was not recorded in this report.

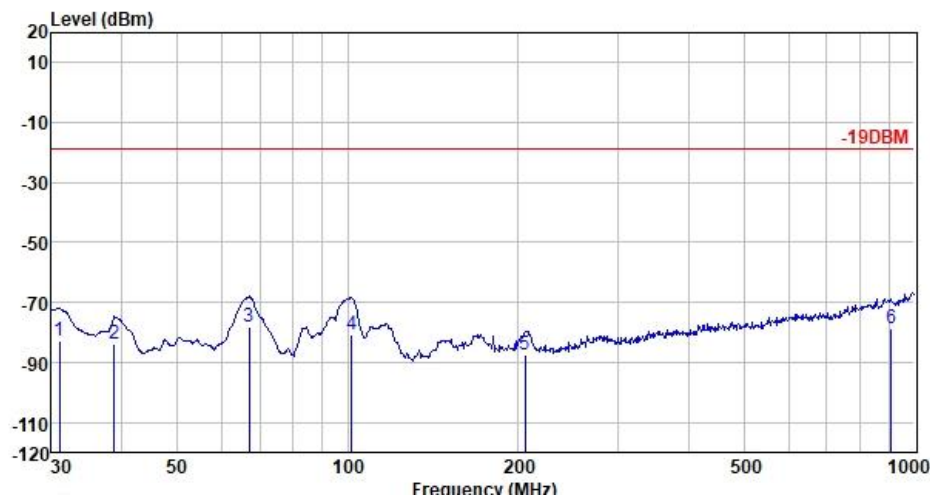


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UPLINK

Lower 700MHz Band_Horizontal_30MHz~1GHz



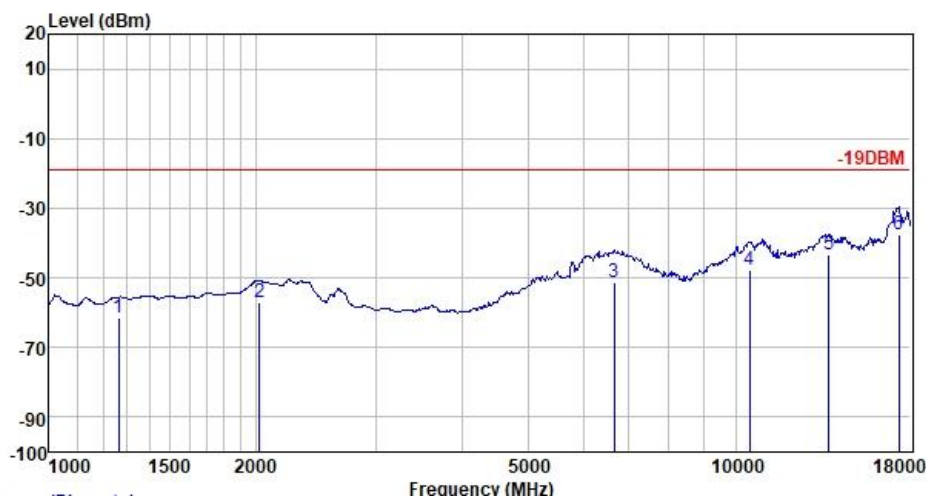
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
30.962	-83.01	-19	-64.02	Horizontal	PASS
38.752	-83.74	-19	-64.75	Horizontal	PASS
66.967	-78.04	-19	-59.05	Horizontal	PASS
101.644	-80.49	-19	-61.5	Horizontal	PASS
205.675	-87.7	-19	-68.71	Horizontal	PASS
909.667	-78.66	-19	-59.67	Horizontal	PASS



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Lower 700MHz Band_Horizontal_above 1GHz



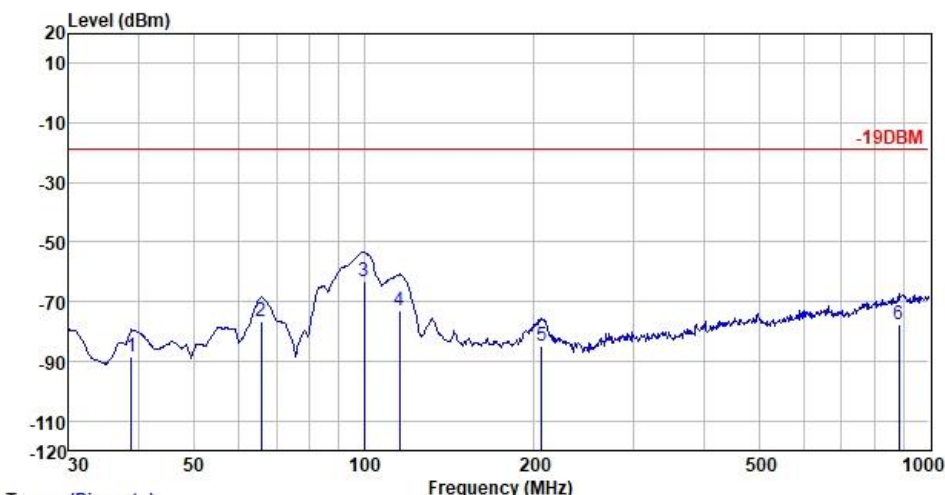
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
1263.796	-61.54	-19	-42.55	Horizontal	PASS
2024.354	-56.92	-19	-37.93	Horizontal	PASS
6659.763	-51.1	-19	-32.11	Horizontal	PASS
10484.23	-47.67	-19	-28.68	Horizontal	PASS
13677.97	-43.49	-19	-24.5	Horizontal	PASS
17286.17	-37.78	-19	-18.79	Horizontal	PASS



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Lower 700MHz Band_Vertical_30MHz~1GHz



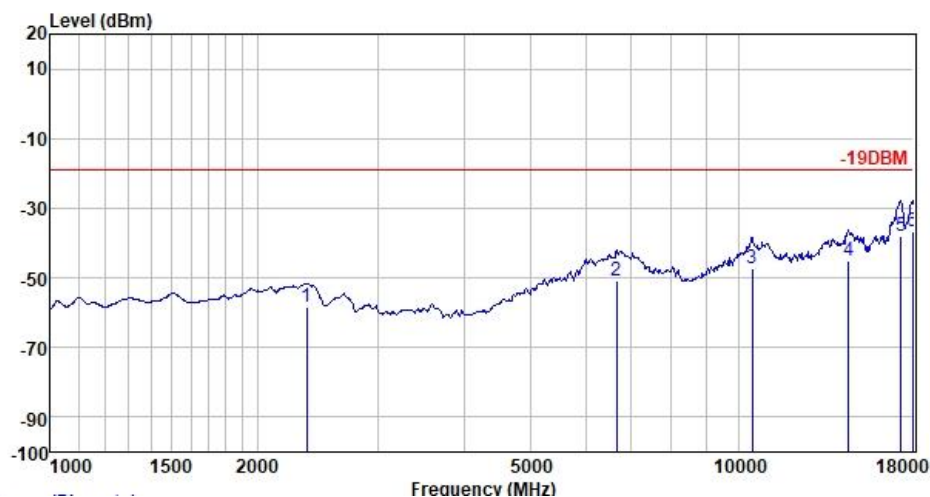
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
38.752	-88.36	-19	-69.37	Vertical	PASS
65.803	-76.58	-19	-57.59	Vertical	PASS
99.878	-63.3	-19	-44.31	Vertical	PASS
115.321	-72.79	-19	-53.8	Vertical	PASS
206.398	-84.77	-19	-65.78	Vertical	PASS
884.503	-77.56	-19	-58.57	Vertical	PASS



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Lower 700MHz Band_Vertical_above 1GHz



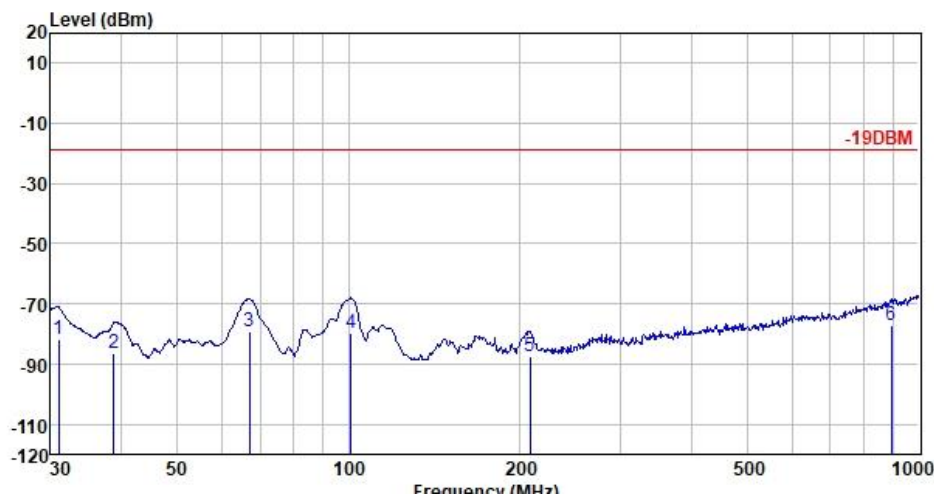
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
2359.478	-58.58	-19	-39.59	Vertical	PASS
6659.763	-50.88	-19	-31.89	Vertical	PASS
10484.23	-47.32	-19	-28.33	Vertical	PASS
14491.96	-45.21	-19	-26.22	Vertical	PASS
17236.28	-37.89	-19	-18.9	Vertical	PASS
17948.05	-36.86	-19	-17.87	Vertical	PASS



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Upper 700MHz Band_Horizontal_30MHz~1GHz



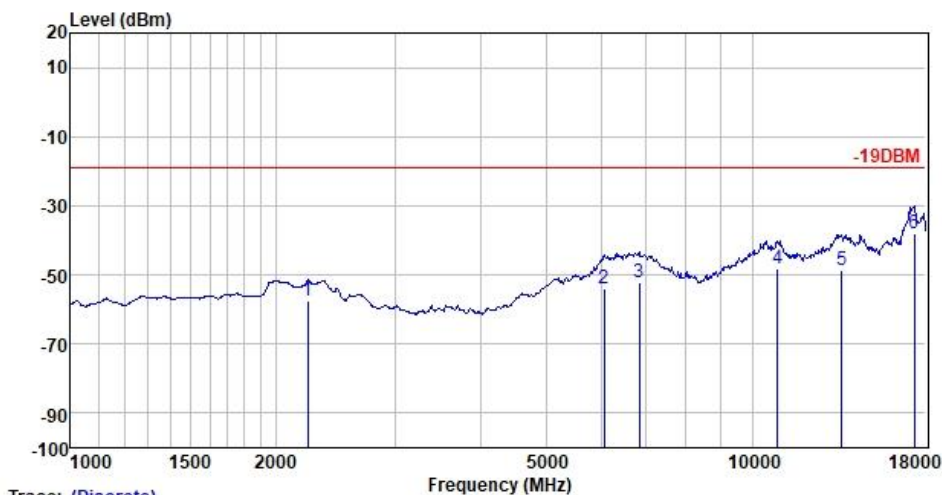
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
30.962	-81.78	-19	-62.79	Horizontal	PASS
38.752	-86.18	-19	-67.19	Horizontal	PASS
66.967	-79.14	-19	-60.15	Horizontal	PASS
100.934	-79.95	-19	-60.96	Horizontal	PASS
207.85	-87.2	-19	-68.21	Horizontal	PASS
893.857	-77.25	-19	-58.26	Horizontal	PASS



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Upper 700MHz Band_Horizontal_above 1GHz



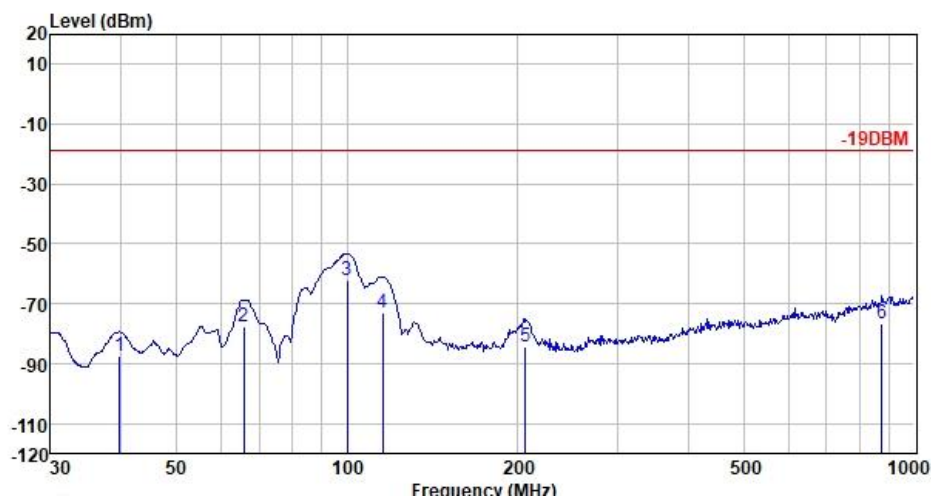
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
2226.95	-57.33	-19	-38.34	Horizontal	PASS
6071.417	-54.11	-19	-35.12	Horizontal	PASS
6835.278	-52.26	-19	-33.27	Horizontal	PASS
10885.67	-48.02	-19	-29.03	Horizontal	PASS
13520.74	-48.45	-19	-29.46	Horizontal	PASS
17286.17	-38	-19	-19.01	Horizontal	PASS



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Upper 700MHz Band_Vertical_30MHz~1GHz



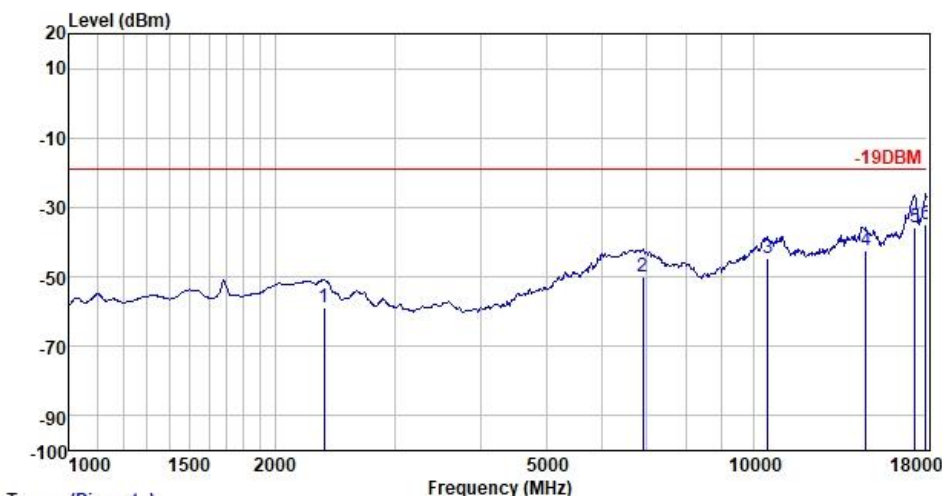
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
39.715	-87.32	-19	-68.33	Vertical	PASS
65.803	-77.65	-19	-58.66	Vertical	PASS
99.878	-62.33	-19	-43.34	Vertical	PASS
115.321	-73.05	-19	-54.06	Vertical	PASS
206.398	-84.17	-19	-65.18	Vertical	PASS
875.247	-76.44	-19	-57.45	Vertical	PASS



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Upper 700MHz Band_Vertical_above 1GHz



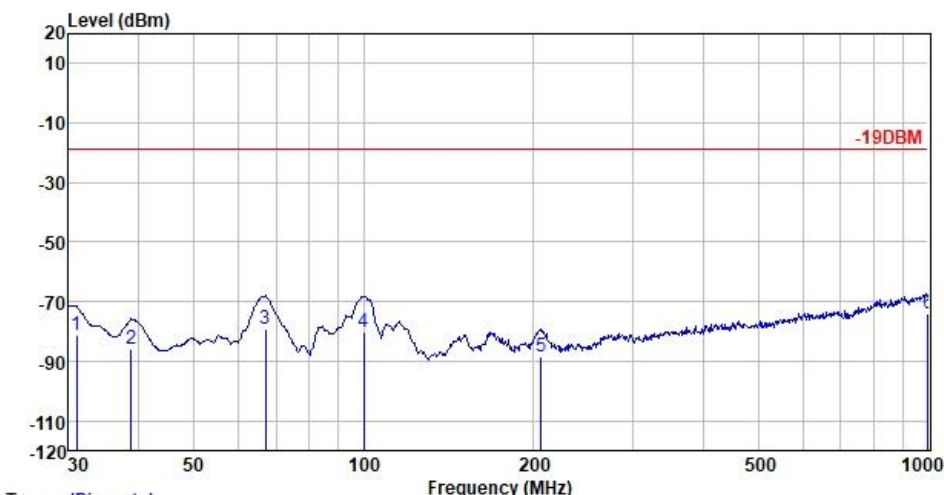
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
2359.478	-58.82	-19	-39.83	Vertical	PASS
6894.806	-50.13	-19	-31.14	Vertical	PASS
10514.58	-44.53	-19	-25.54	Vertical	PASS
14618.17	-42.58	-19	-23.59	Vertical	PASS
17236.28	-35.71	-19	-16.72	Vertical	PASS
17896.25	-35.05	-19	-16.06	Vertical	PASS



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Cellular Band_Horizontal_30MHz~1GHz



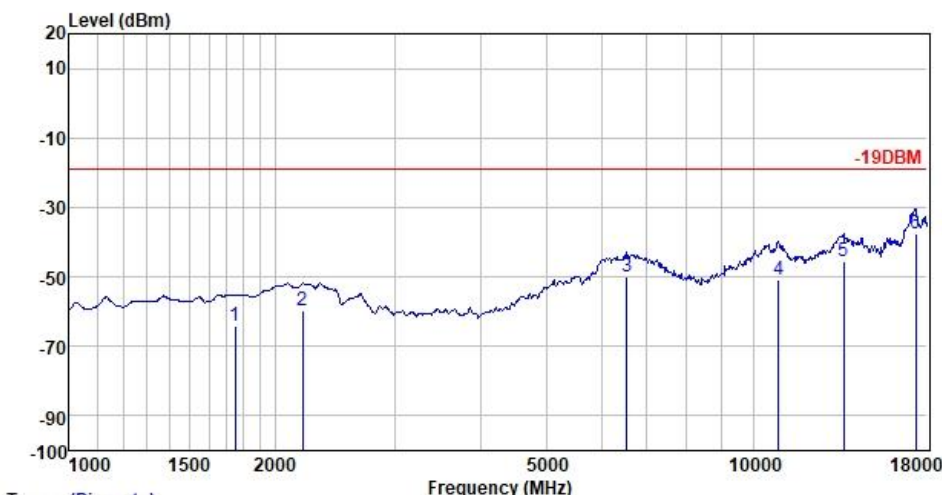
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
30.962	-81.42	-19	-62.43	Horizontal	PASS
38.752	-85.77	-19	-66.78	Horizontal	PASS
66.967	-79.04	-19	-60.05	Horizontal	PASS
99.878	-80.23	-19	-61.24	Horizontal	PASS
206.398	-88.26	-19	-69.27	Horizontal	PASS
1000	-74.21	-19	-55.22	Horizontal	PASS



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Cellular Band_Horizontal_above 1GHz



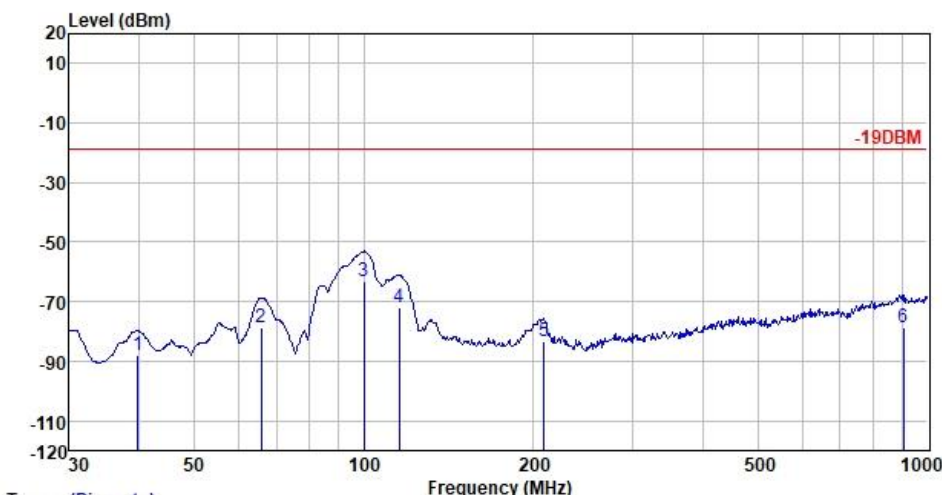
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
1746.898	-64.08	-19	-45.09	Horizontal	PASS
2194.998	-59.81	-19	-40.82	Horizontal	PASS
6545.263	-49.84	-19	-30.85	Horizontal	PASS
10885.67	-50.68	-19	-31.69	Horizontal	PASS
13559.88	-45.39	-19	-26.4	Horizontal	PASS
17286.17	-37.55	-19	-18.56	Horizontal	PASS



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Cellular Band_Vertical_30MHz~1GHz



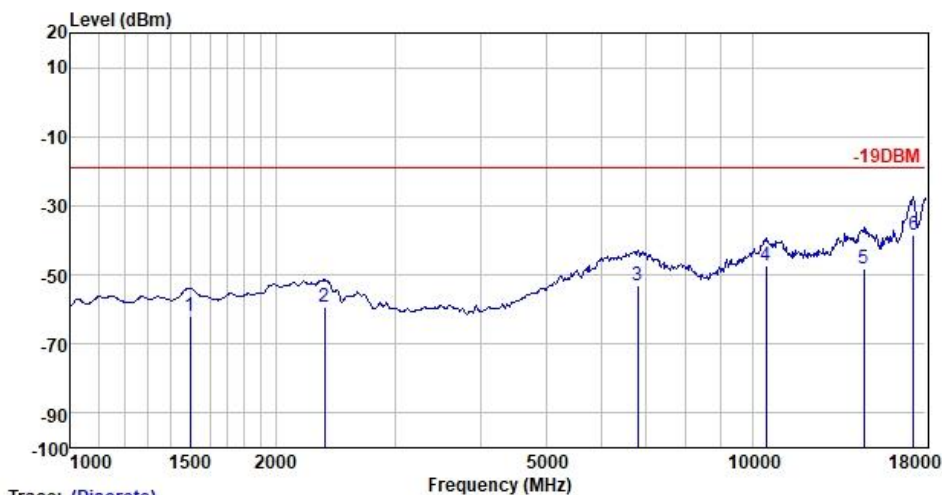
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
39.715	-87.76	-19	-68.77	Vertical	PASS
65.803	-78.82	-19	-59.83	Vertical	PASS
99.878	-63.04	-19	-44.05	Vertical	PASS
115.321	-72.12	-19	-53.13	Vertical	PASS
208.58	-83.52	-19	-64.53	Vertical	PASS
906.482	-78.7	-19	-59.71	Vertical	PASS



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Cellular Band_Vertical_above 1GHz



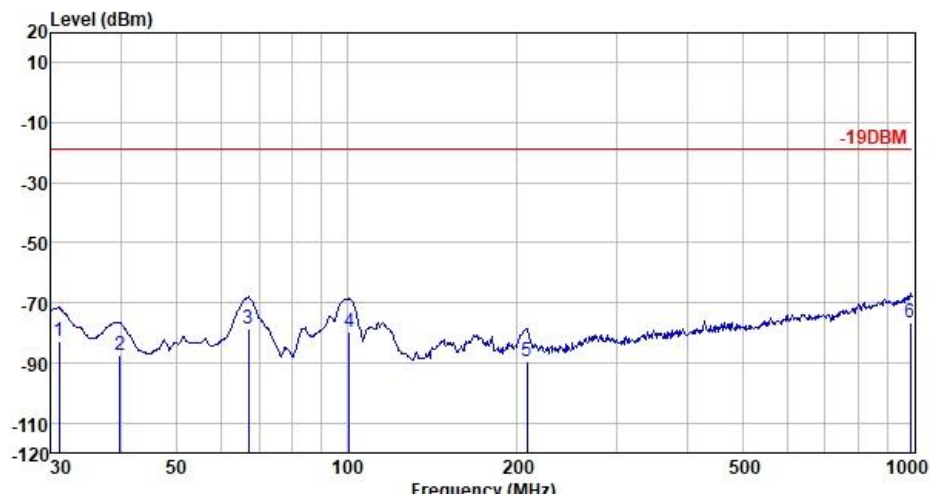
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
1498.781	-61.83	-19	-42.84	Vertical	PASS
2359.478	-59.45	-19	-40.46	Vertical	PASS
6795.879	-53.1	-19	-34.11	Vertical	PASS
10484.23	-47.4	-19	-28.41	Vertical	PASS
14575.97	-48.38	-19	-29.39	Vertical	PASS
17236.28	-38.38	-19	-19.39	Vertical	PASS



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AWS-1 Band_Horizontal_30MHz~1GHz



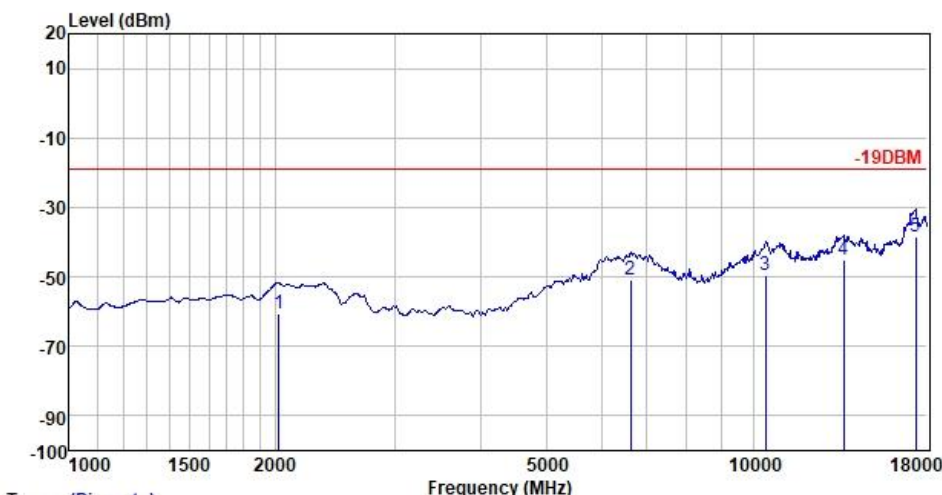
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
30.962	-82.55	-19	-63.56	Horizontal	PASS
39.715	-87.4	-19	-68.41	Horizontal	PASS
66.967	-78.92	-19	-59.93	Horizontal	PASS
100.934	-79.58	-19	-60.59	Horizontal	PASS
207.85	-89.43	-19	-70.44	Horizontal	PASS
989.536	-76.63	-19	-57.64	Horizontal	PASS



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AWS-1 Band_Horizontal_above 1GHz



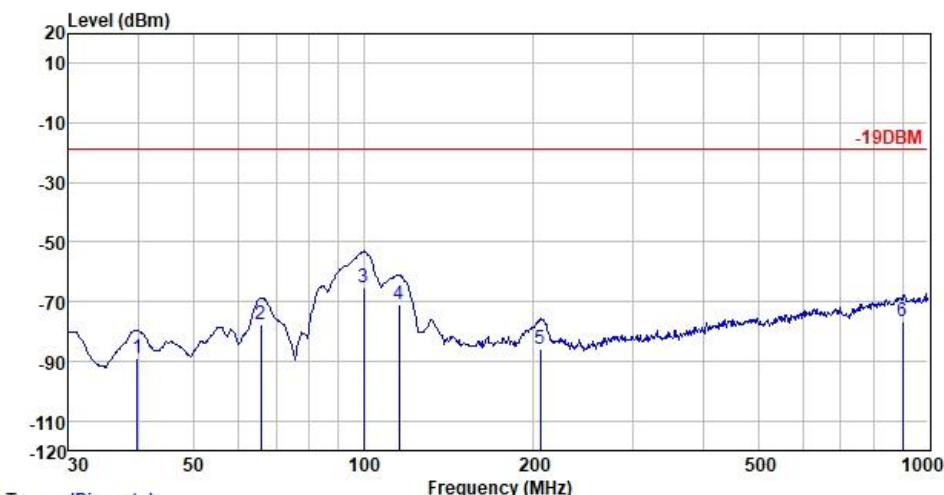
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
2024.354	-60.59	-19	-41.6	Horizontal	PASS
6621.375	-50.96	-19	-31.97	Horizontal	PASS
10423.8	-49.74	-19	-30.75	Horizontal	PASS
13559.88	-45.04	-19	-26.05	Horizontal	PASS
17286.17	-38.56	-19	-19.57	Horizontal	PASS



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AWS-1 Band_Vertical_30MHz~1GHz



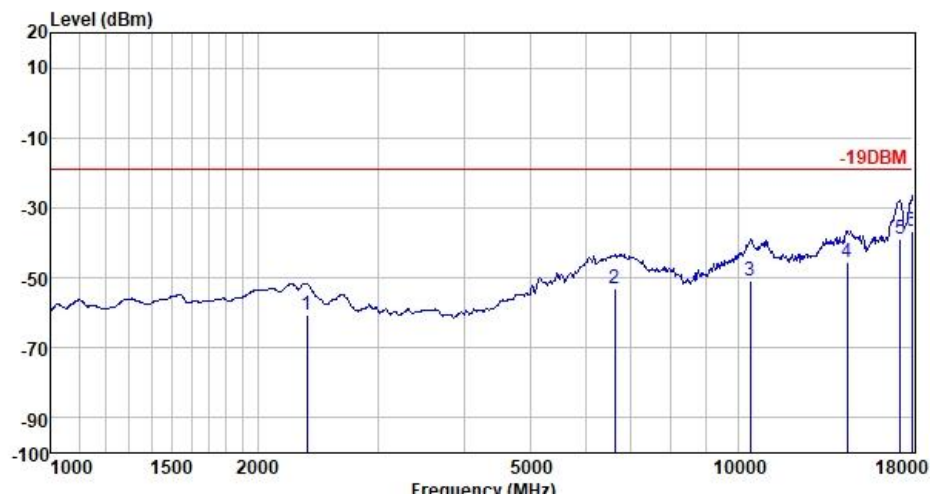
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
39.715	-88.79	-19	-69.8	Vertical	PASS
65.803	-77.62	-19	-58.63	Vertical	PASS
99.878	-65.04	-19	-46.05	Vertical	PASS
115.321	-71.07	-19	-52.08	Vertical	PASS
205.675	-85.83	-19	-66.84	Vertical	PASS
900.147	-76.63	-19	-57.64	Vertical	PASS



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AWS-1 Band_Vertical_above 1GHz



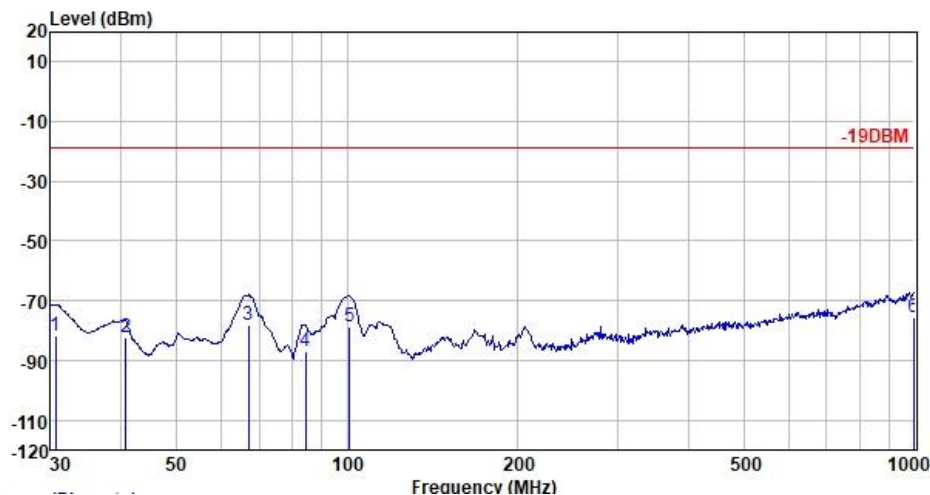
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
2359.478	-60.53	-19	-41.54	Vertical	PASS
6621.375	-53.27	-19	-34.28	Vertical	PASS
10423.8	-50.73	-19	-31.74	Vertical	PASS
14450.13	-45.56	-19	-26.57	Vertical	PASS
17236.28	-38.8	-19	-19.81	Vertical	PASS
17948.05	-36.61	-19	-17.62	Vertical	PASS



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Broadband PCS Band_Horizontal_30MHz~1GHz



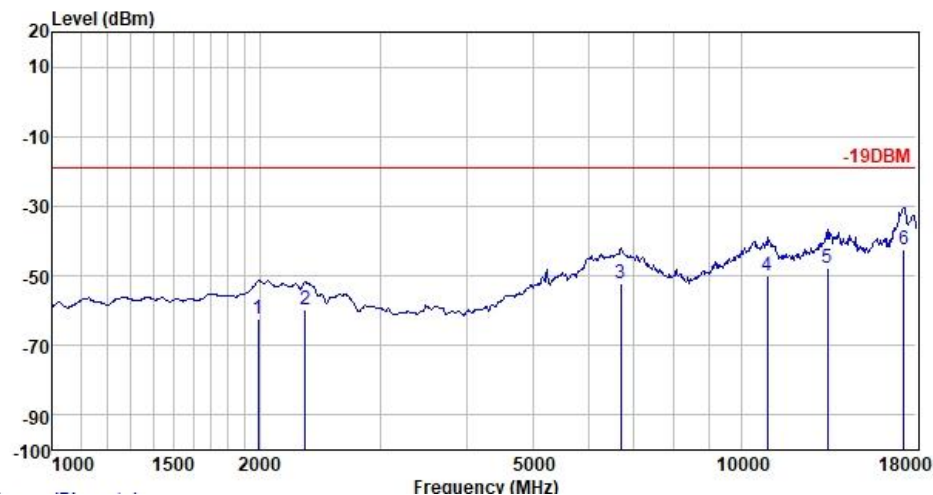
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
30.638	-81.54	-19	-62.55	Horizontal	PASS
40.702	-82.45	-19	-63.46	Horizontal	PASS
66.967	-78.03	-19	-59.04	Horizontal	PASS
84.405	-86.92	-19	-67.93	Horizontal	PASS
100.934	-78.57	-19	-59.58	Horizontal	PASS
996.5	-75.37	-19	-56.38	Horizontal	PASS



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Broadband PCS Band_Horizontal_above 1GHz



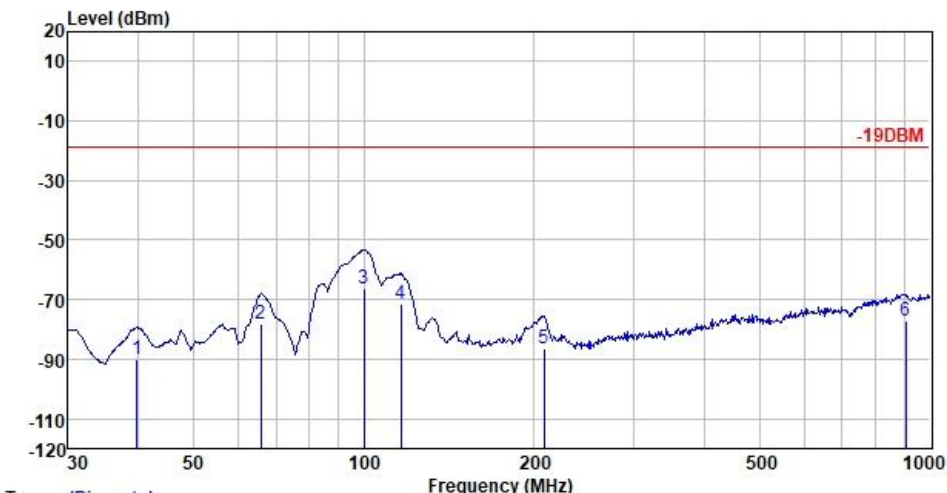
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
1989.55	-62.31	-19	-43.32	Horizontal	PASS
2325.624	-59.84	-19	-40.85	Horizontal	PASS
6698.373	-52.1	-19	-33.11	Horizontal	PASS
10917.18	-49.9	-19	-30.91	Horizontal	PASS
13365.32	-47.78	-19	-28.79	Horizontal	PASS
17236.28	-42.39	-19	-23.4	Horizontal	PASS



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Broadband PCS Band_Vertical_30MHz~1GHz



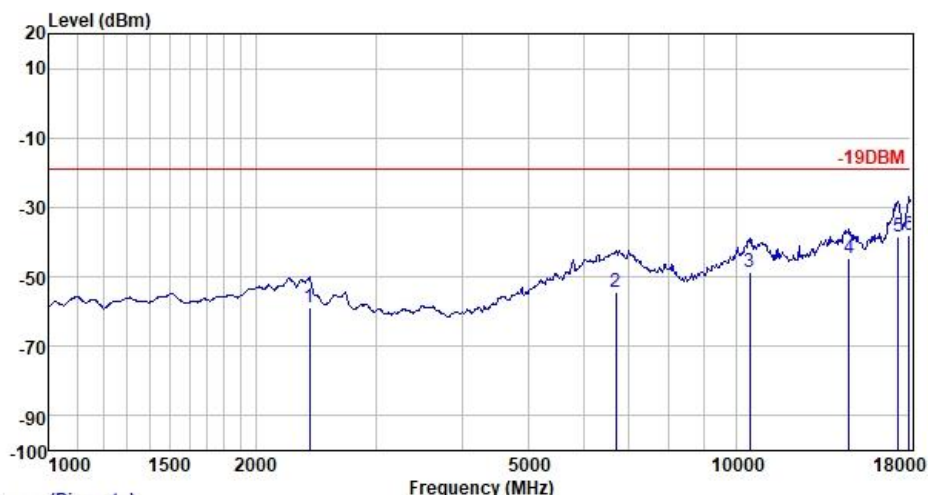
Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
39.715	-90.24	-19	-71.25	Vertical	PASS
65.803	-78.05	-19	-59.06	Vertical	PASS
99.878	-66.23	-19	-47.24	Vertical	PASS
116.132	-71.31	-19	-52.32	Vertical	PASS
207.85	-86.42	-19	-67.43	Vertical	PASS
906.482	-77.11	-19	-58.12	Vertical	PASS



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Broadband PCS Band_Vertical_above 1GHz



Freq. (MHz)	Level (dBm)	Limit (dBm)	Over Limit (dB)	Polarization	Verdict
2393.824	-58.98	-19	-39.99	Vertical	PASS
6698.373	-54.52	-19	-35.53	Vertical	PASS
10484.23	-48.71	-19	-29.72	Vertical	PASS
14618.17	-44.45	-19	-25.46	Vertical	PASS
17236.28	-38.34	-19	-19.35	Vertical	PASS
17896.25	-38.05	-19	-19.06	Vertical	PASS

--End of Appendix B--



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