Appendix B

WCDMA Band II & IV & V

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1. Effective (Isotropic) Radiated Power

1.1. Test Result

CONFIG 0:

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	24.14	21.64	33.00	PASS
Band II	9400	24.15	21.65	33.00	PASS
Band II	9538	24.19	21.69	33.00	PASS
Band IV	1312	24.15	20.15	30.00	PASS
Band IV	1413	24.08	20.08	30.00	PASS
Band IV	1513	23.96	19.96	30.00	PASS

Band	Channel	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.15	15.60	38.45	PASS
Band V	4182	24.18	15.63	38.45	PASS
Band V	4233	24.16	15.61	38.45	PASS

CONFIG 1:

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	22.94	19.14	33.00	PASS
Band II	9400	23.09	19.29	33.00	PASS
Band II	9538	23.30	19.50	33.00	PASS
Band IV	1312	23.53	19.83	30.00	PASS
Band IV	1413	23.43	19.73	30.00	PASS
Band IV	1513	23.52	19.82	30.00	PASS

Band	Channel	Conducted Power (dBm)	ERP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.19	17.34	38.45	PASS
Band V	4182	24.12	17.27	38.45	PASS
Band V	4233	24.21	17.36	38.45	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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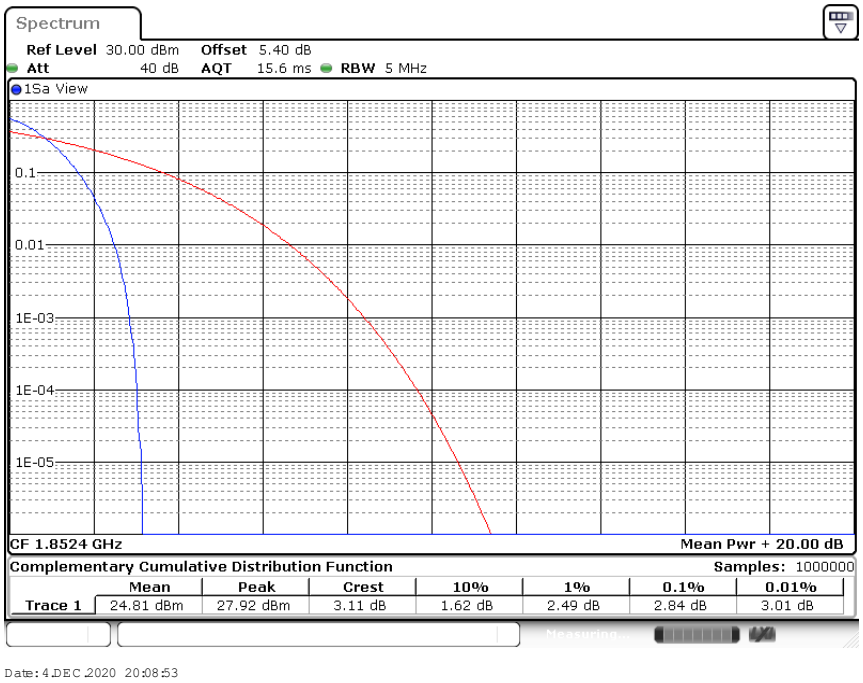
2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.84	13	PASS
Band2	9400	3.01	13	PASS
Band2	9538	2.78	13	PASS
Band4	1312	2.87	13	PASS
Band4	1413	2.93	13	PASS
Band4	1513	2.81	13	PASS
Band5	4132	3.07	13	PASS
Band5	4182	3.1	13	PASS
Band5	4233	2.96	13	PASS

2.2. Test Plots

Band2-9262



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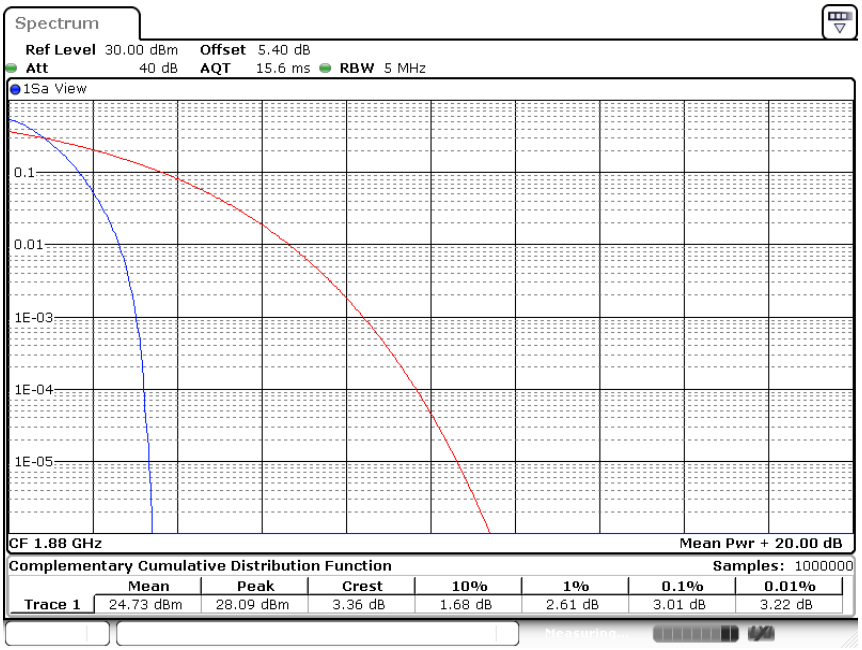
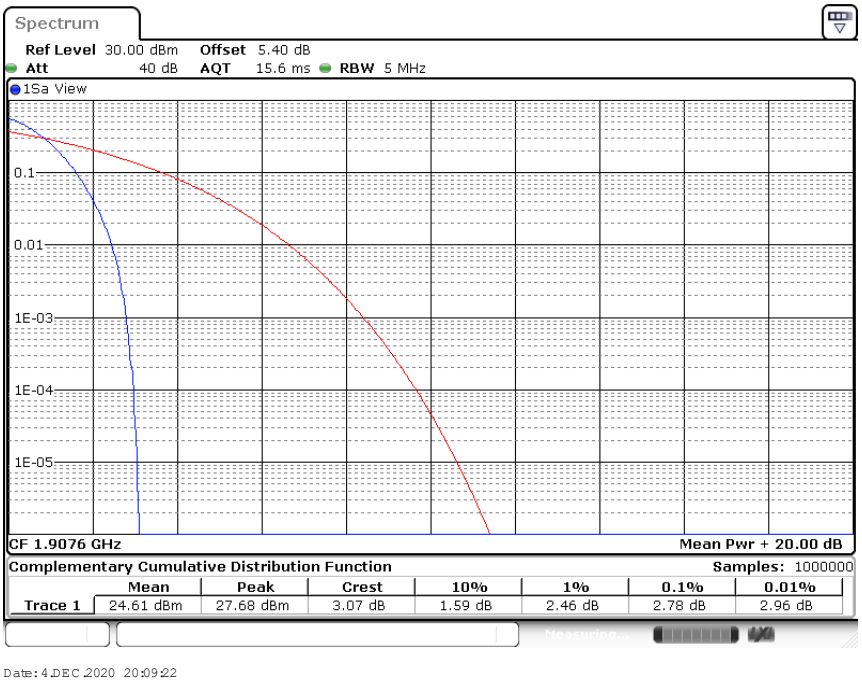
Band2-9400



Band2-9538



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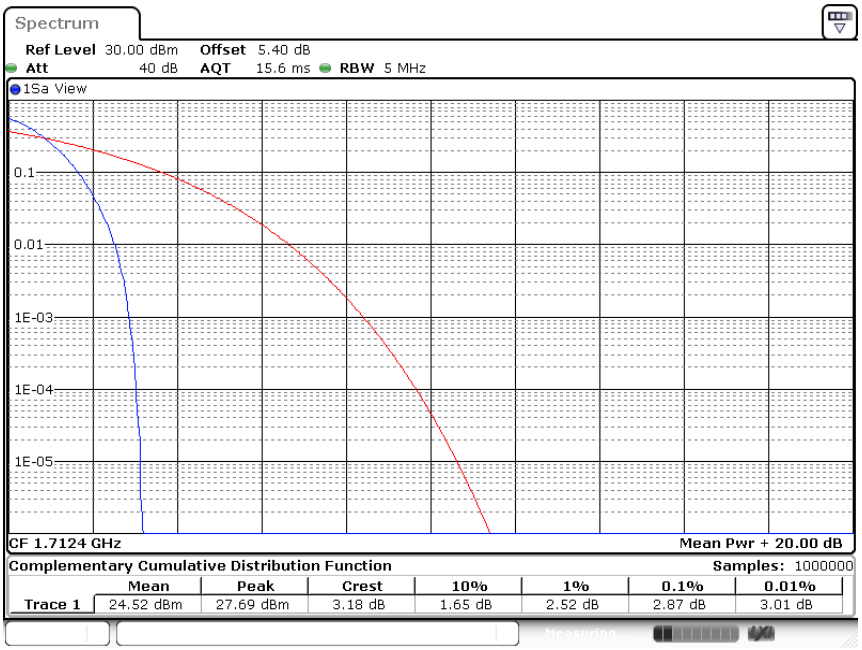
Band4-1312



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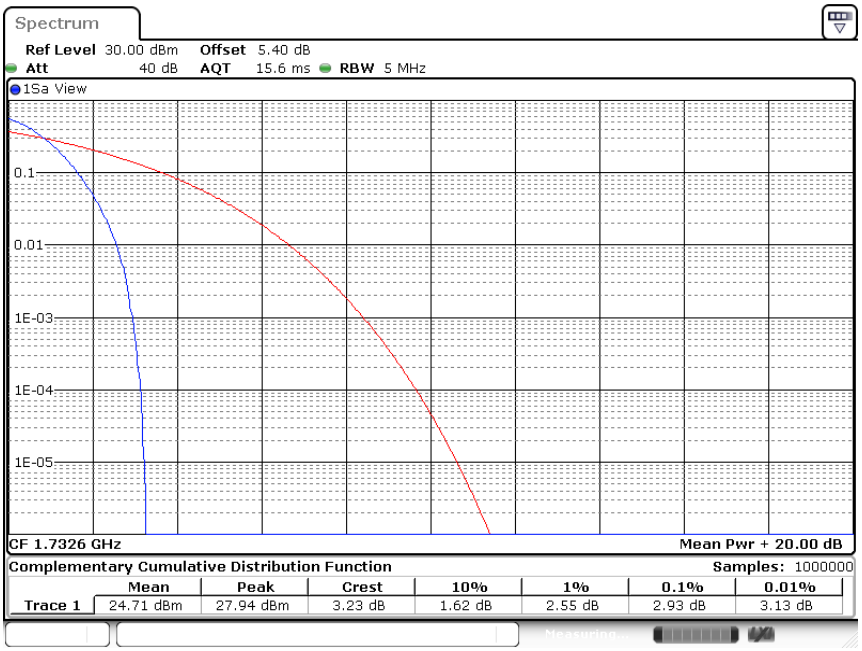
Band4-1413



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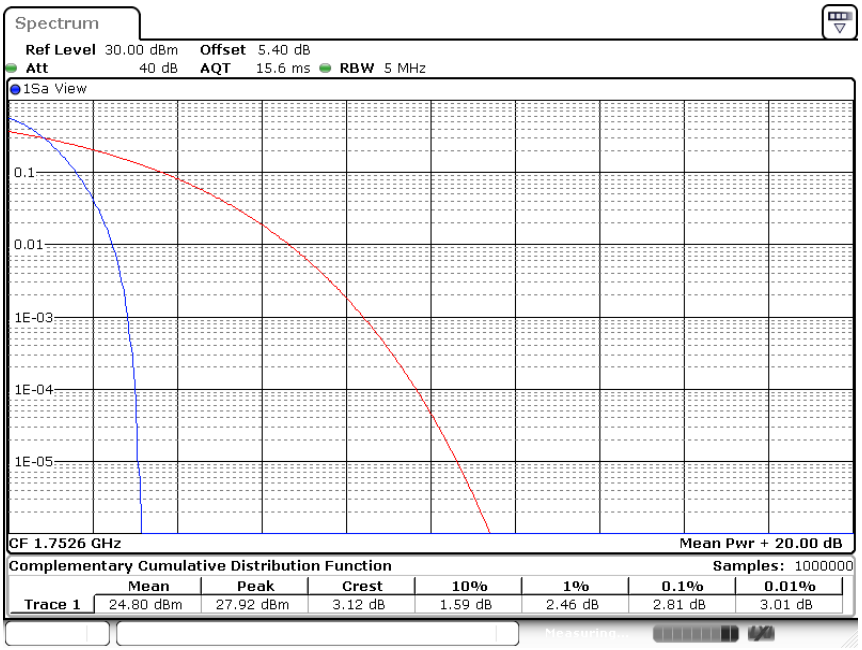
Band4-1513



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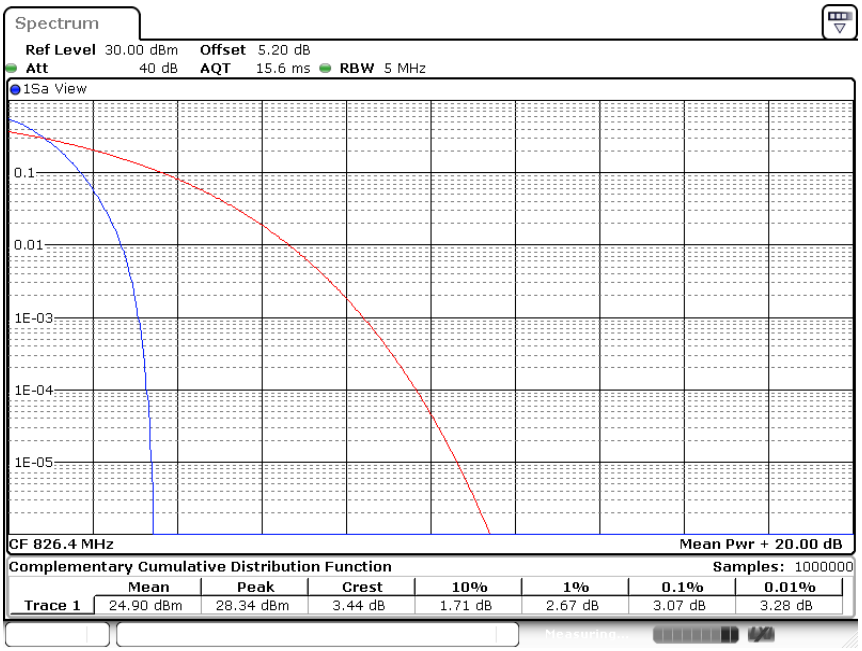
Band5-4132



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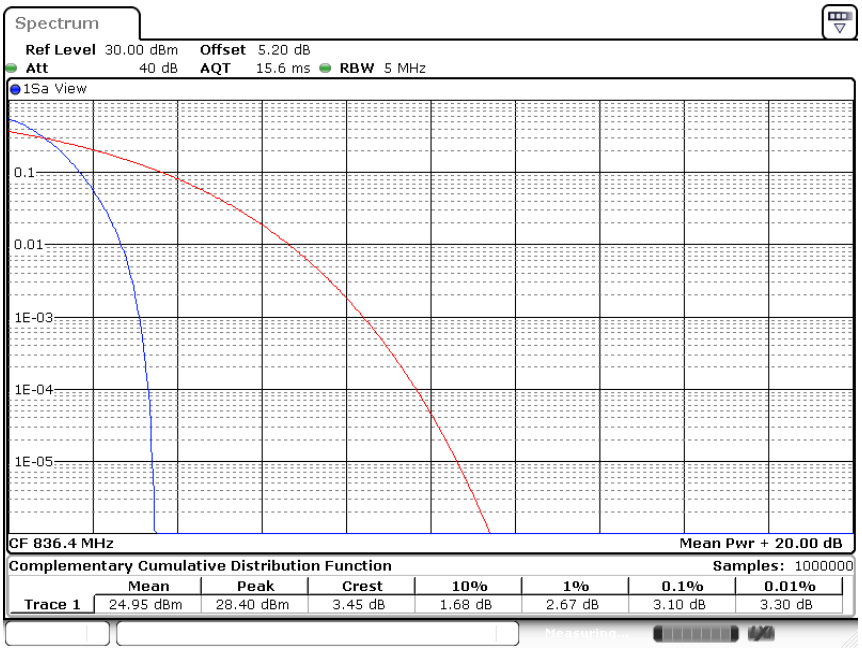
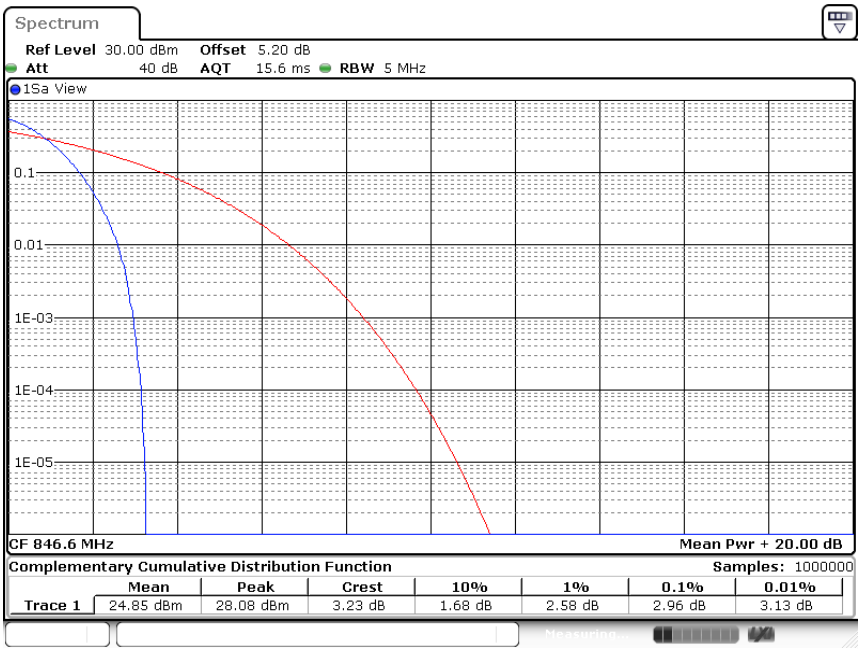
Band5-4182



Band5-4233



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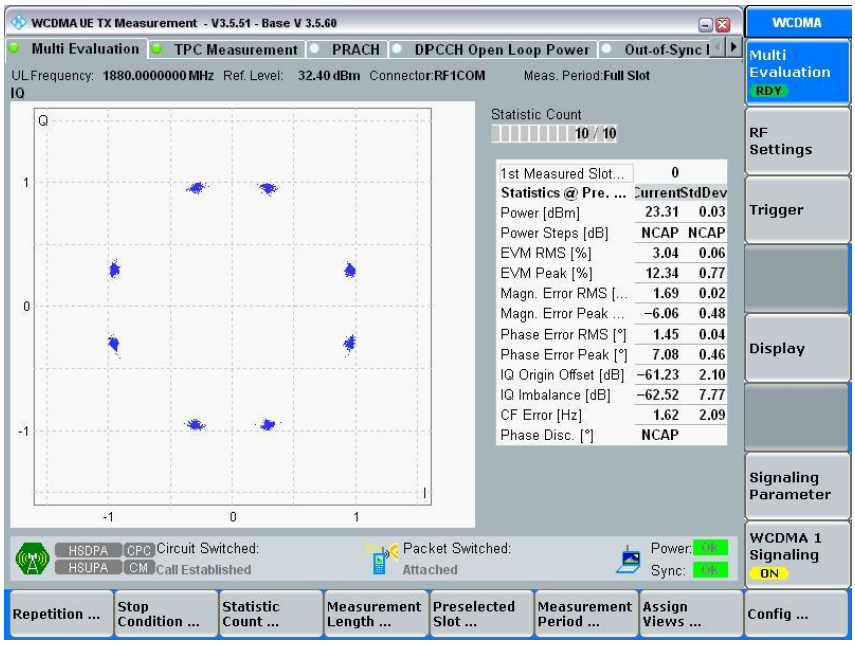
3. Modulation Characteristics

3.1. Test Band = WCDMA Band II

3.1.1. Test Mode = UMTS/TM1

3.1.1.1. Test Channel = MCH



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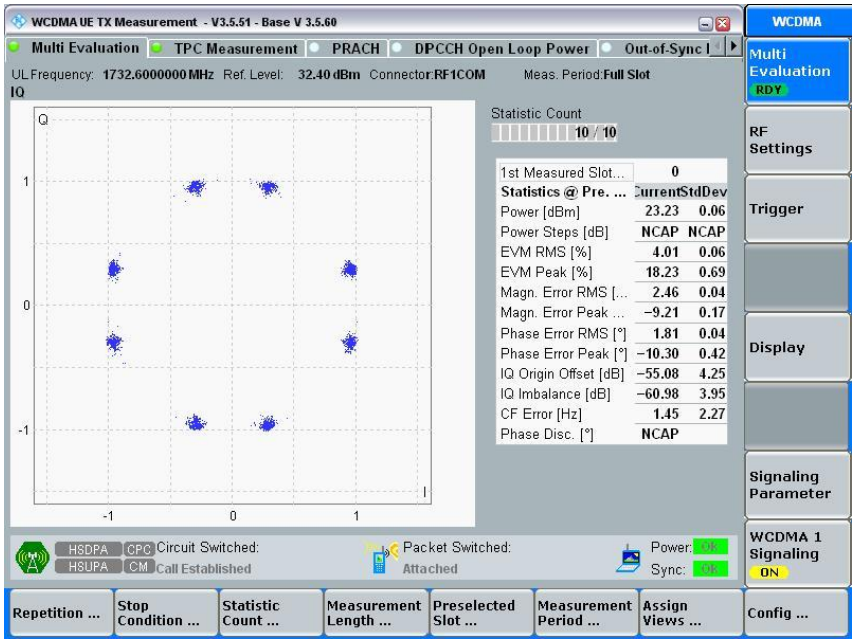
3.2. Test Band = WCDMA Band IV

3.2.1. Test Mode = UMTS/TM1

3.2.1.1. Test Channel = MCH



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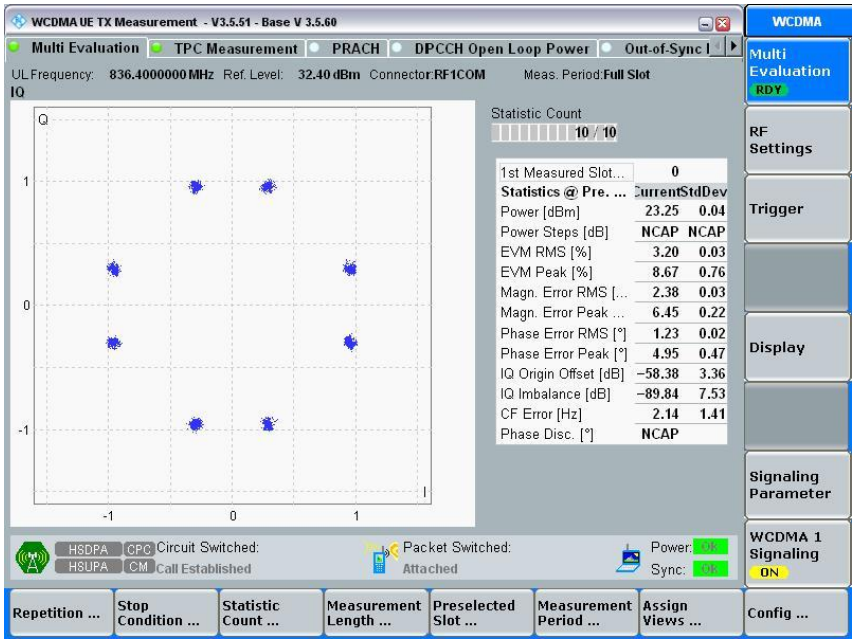
3.3. Test Band = WCDMA Band V

3.3.1. Test Mode = UMTS/TM1

3.3.1.1. Test Channel = MCH



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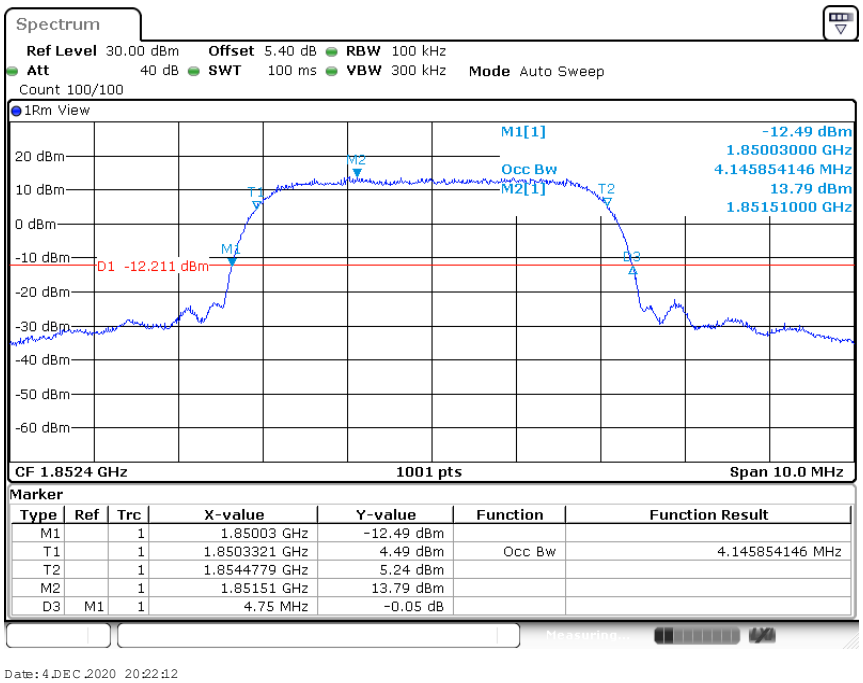
4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.146	4.750	---	PASS
Band2	9400	4.146	4.740	---	PASS
Band2	9538	4.146	4.770	---	PASS
Band4	1312	4.156	4.760	---	PASS
Band4	1413	4.146	4.750	---	PASS
Band4	1513	4.146	4.760	---	PASS
Band5	4132	4.146	4.740	---	PASS
Band5	4182	4.146	4.730	---	PASS
Band5	4233	4.146	4.730	---	PASS

4.2. Test Plots

Band2-9262



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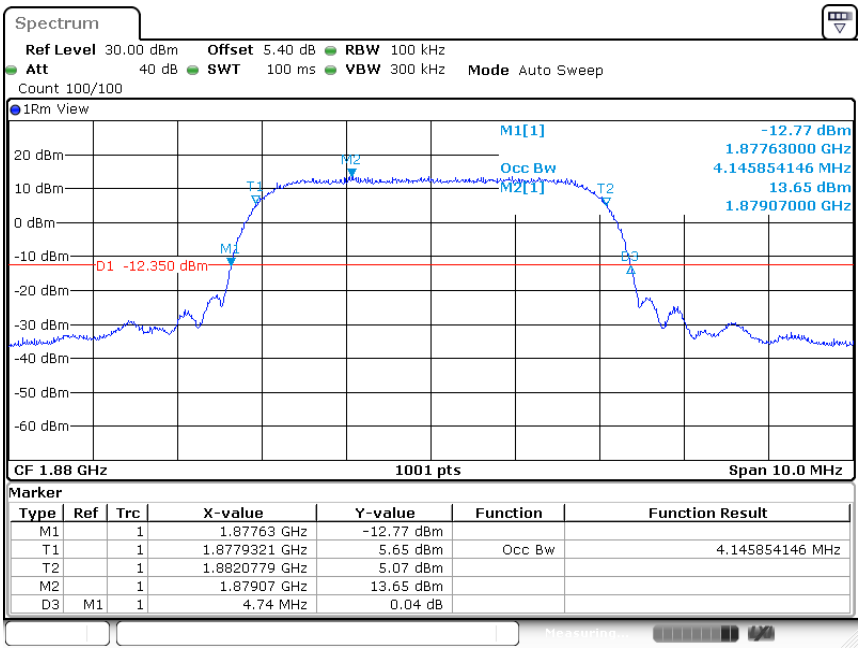
Band2-9400



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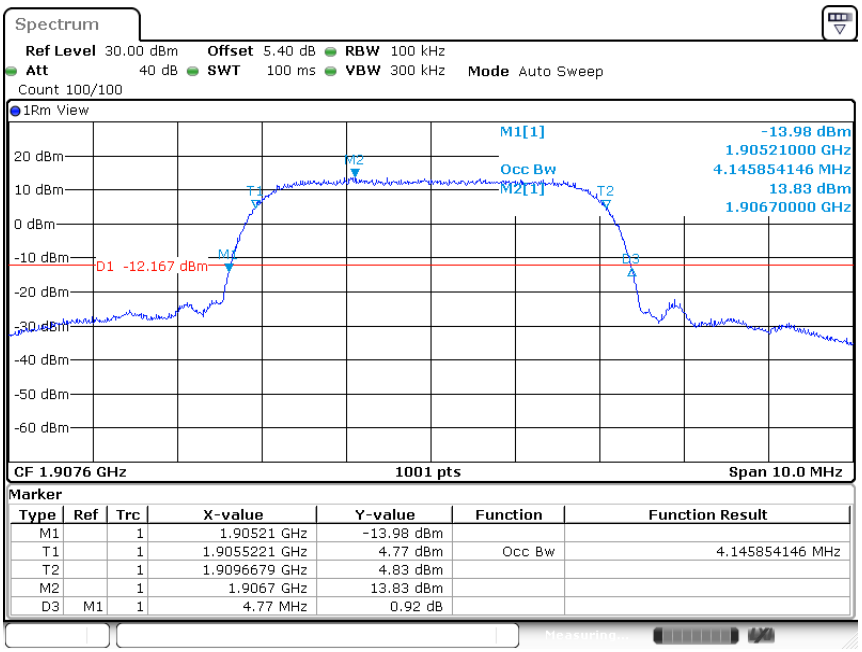
Band2-9538



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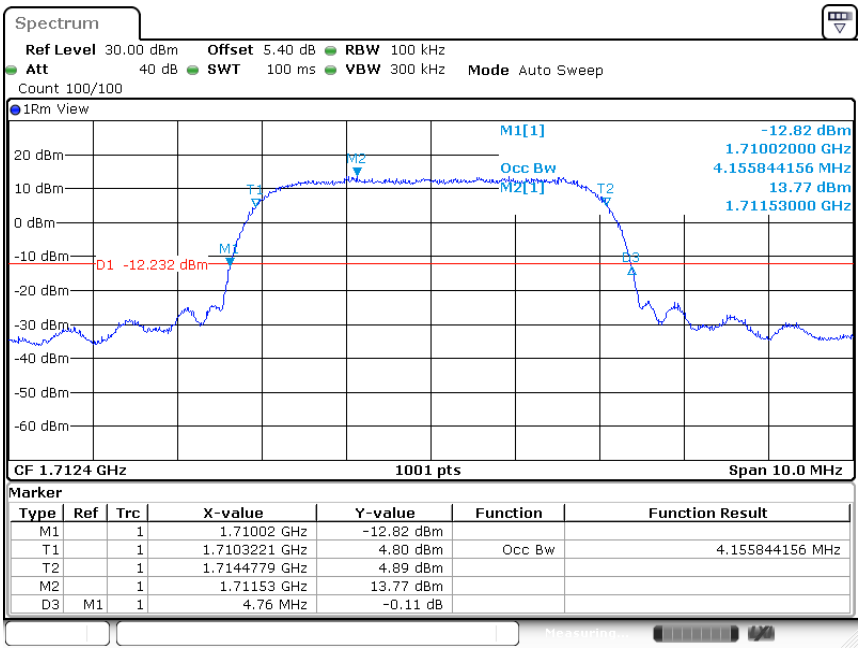
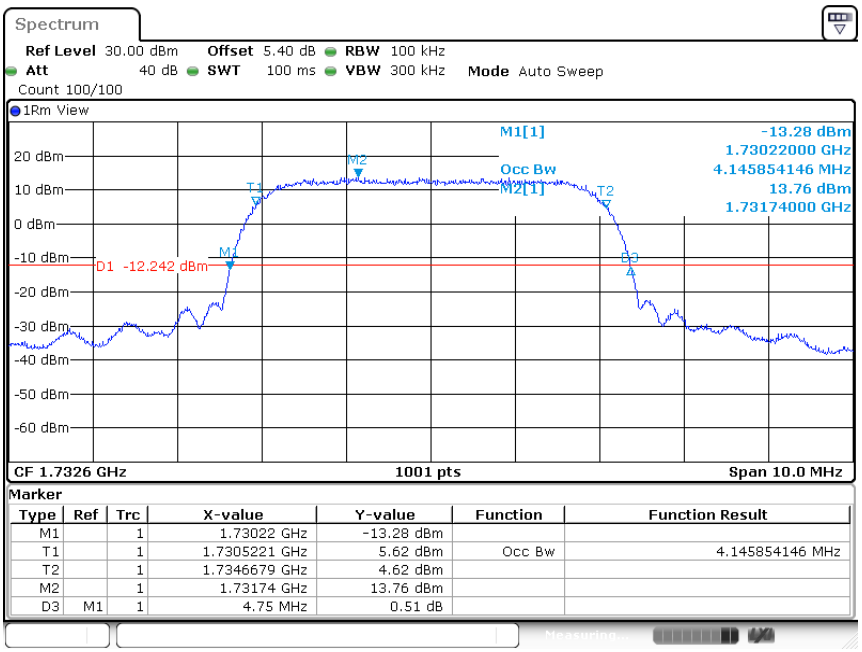
Band4-1312



Band4-1413



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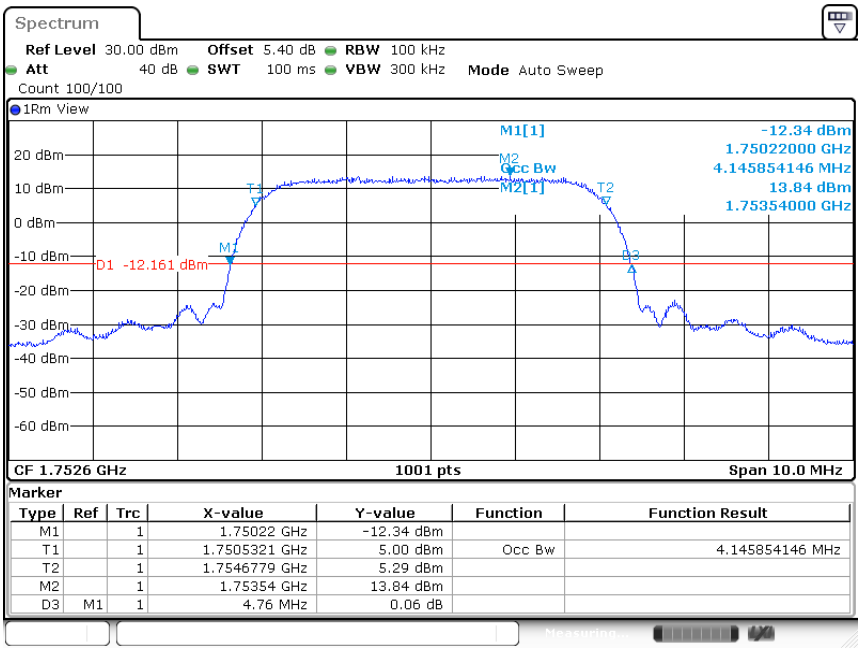
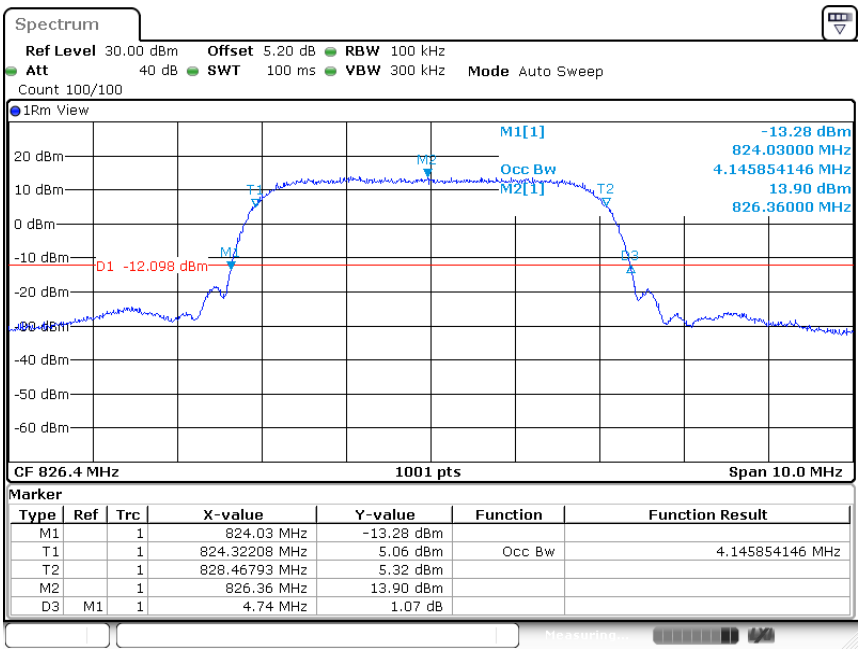
Band4-1513



Band5-4132



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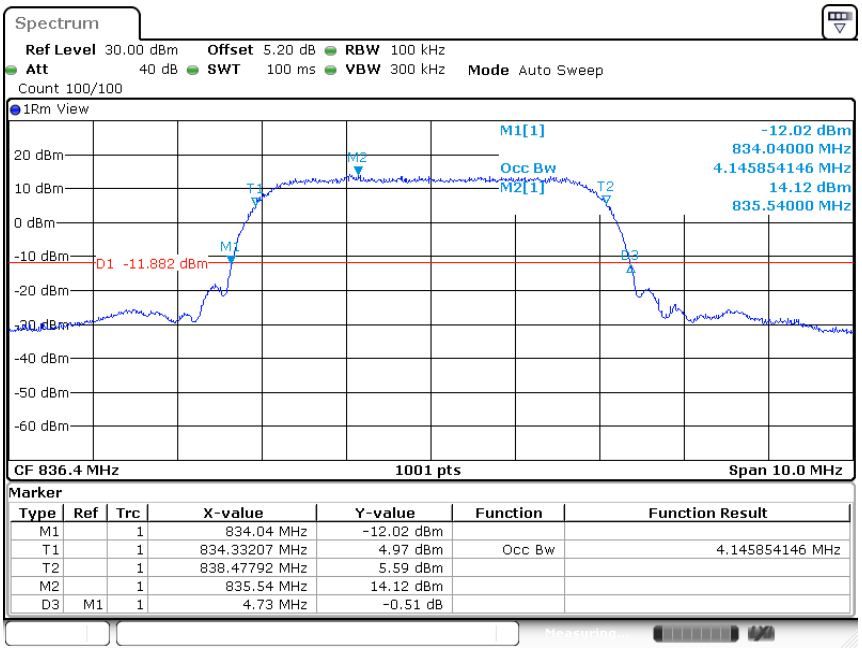
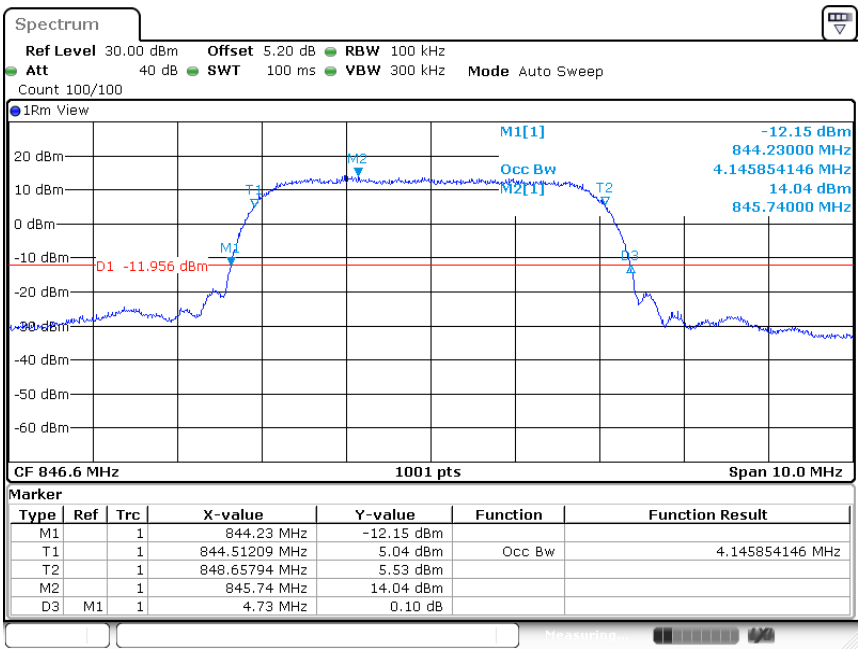


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.04 MHz	-12.02 dBm		
T1		1	834.33207 MHz	4.97 dBm	Occ Bw	4.145854146 MHz
T2		1	838.47792 MHz	5.59 dBm		
M2		1	835.54 MHz	14.12 dBm		
D3	M1	1	4.73 MHz	-0.51 dB		

Date: 4.DEC.2020 19:45:17

Band5-4233



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.23 MHz	-12.15 dBm		
T1		1	844.51209 MHz	5.04 dBm	Occ Bw	4.145854146 MHz
T2		1	848.65794 MHz	5.53 dBm		
M2		1	845.74 MHz	14.04 dBm		
D3	M1	1	4.73 MHz	0.10 dB		

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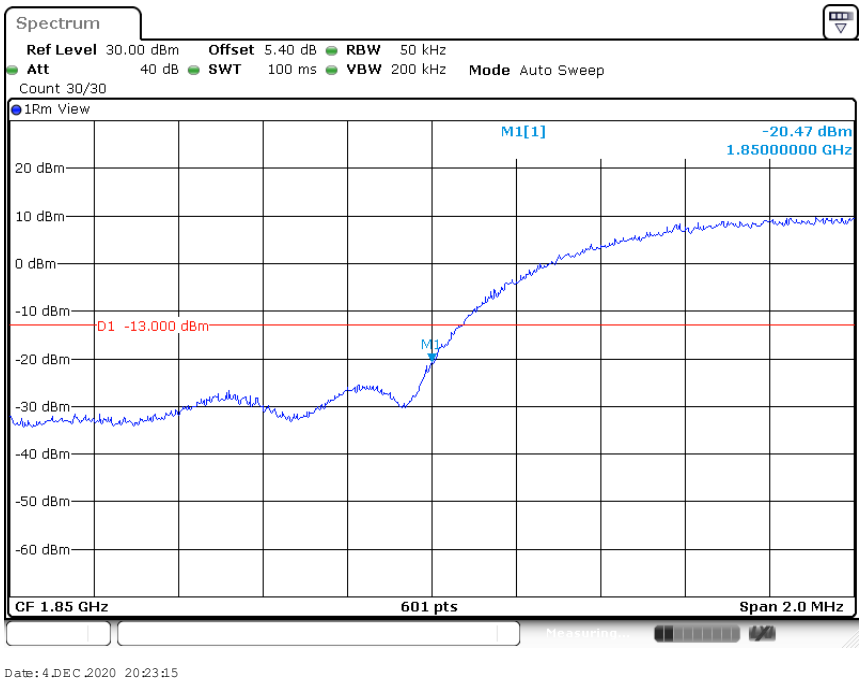
5. Band Edge Compliance

5.1. Test Plots

Band2-9262



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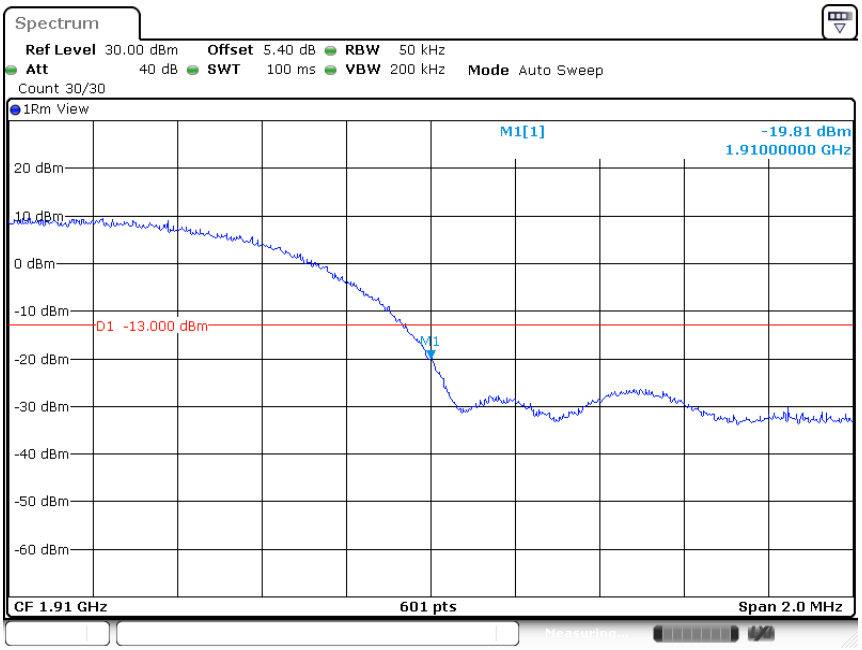

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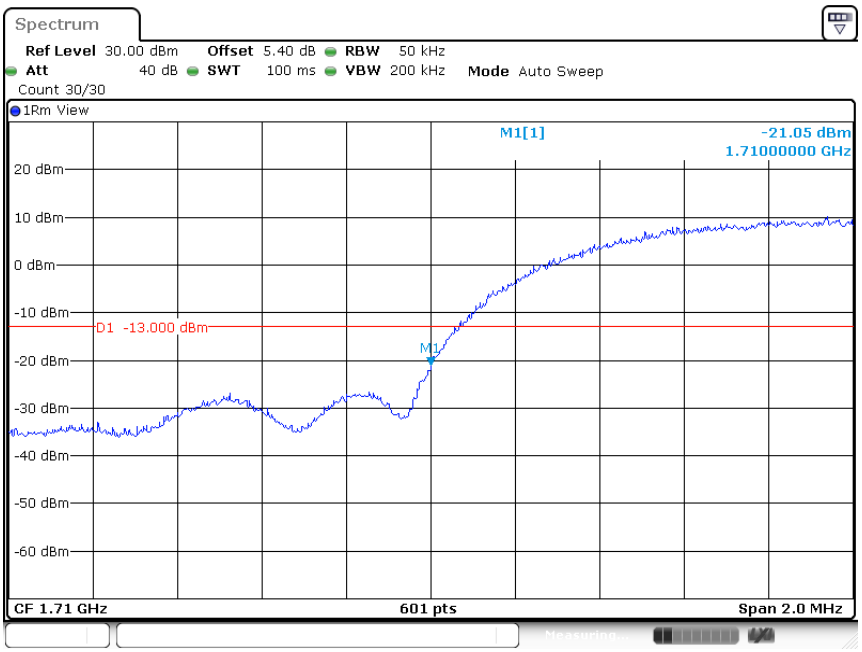
Band4-1312



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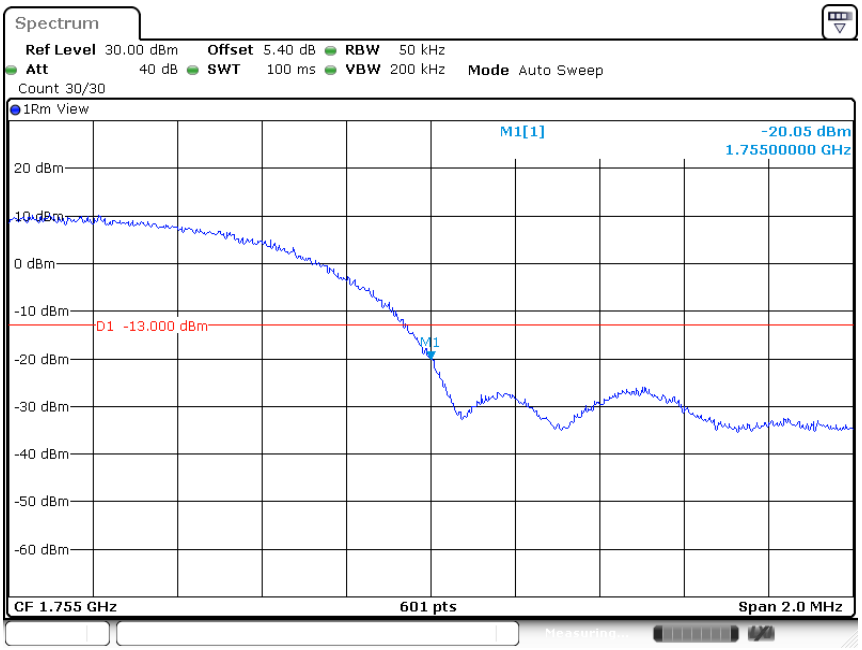

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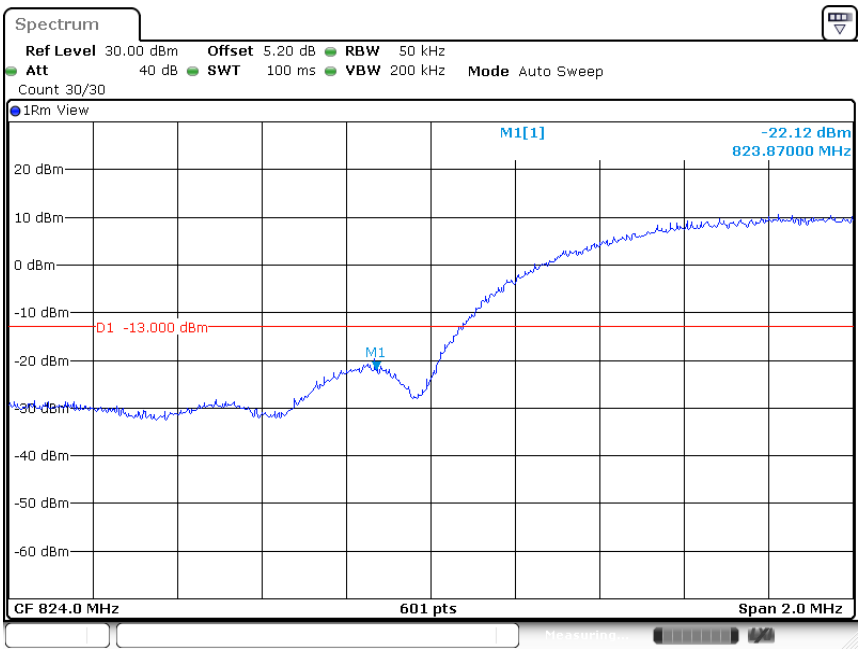
Band5-4132



Date: 4.DEC.2020 19:45:56

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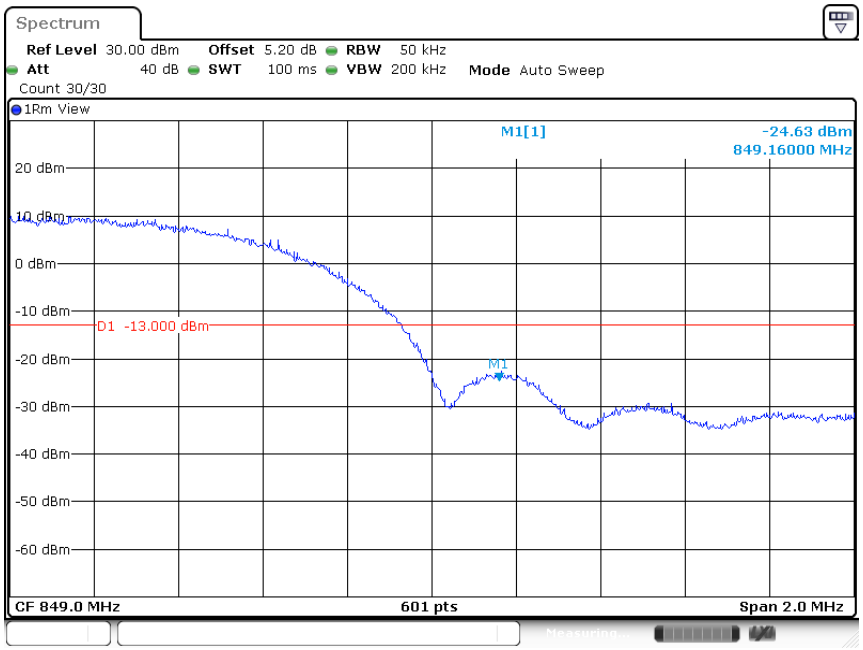
Band5-4233



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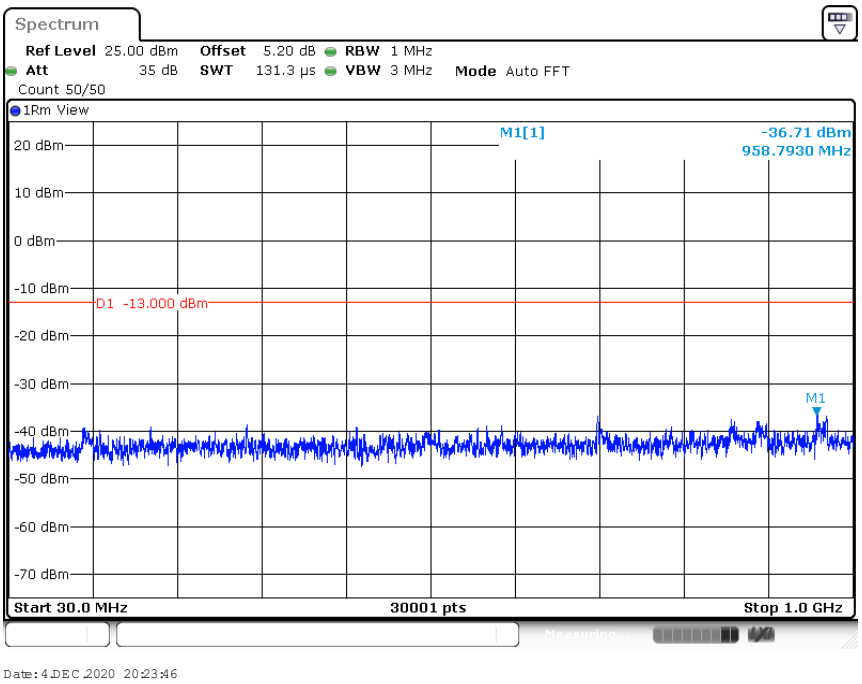
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1. Test Plots

Band2-9262-30~1000MHz



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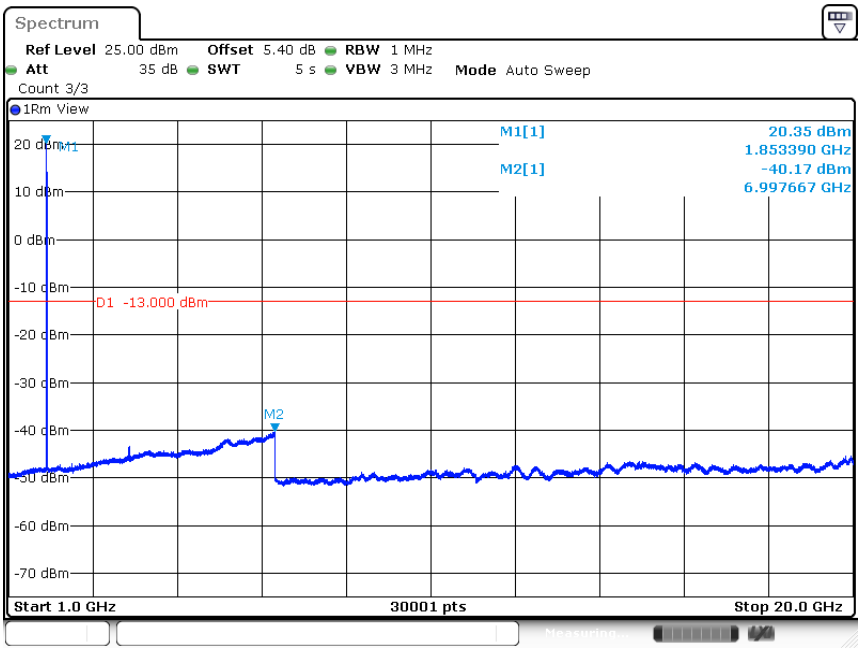
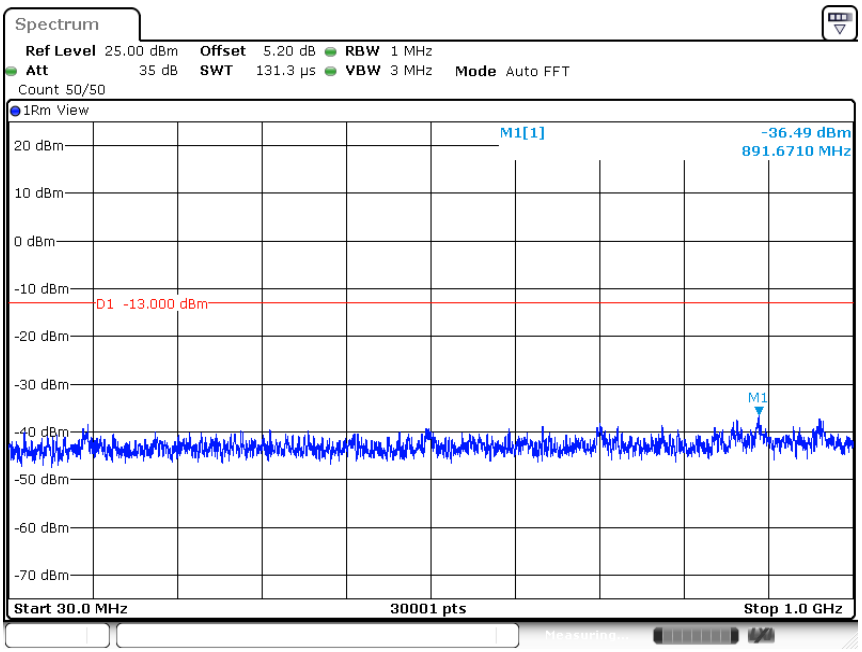
Band2-9262-1000~20000MHz



Date: 4.DEC.2020 20:24:12

Band2-9400-30~1000MHz



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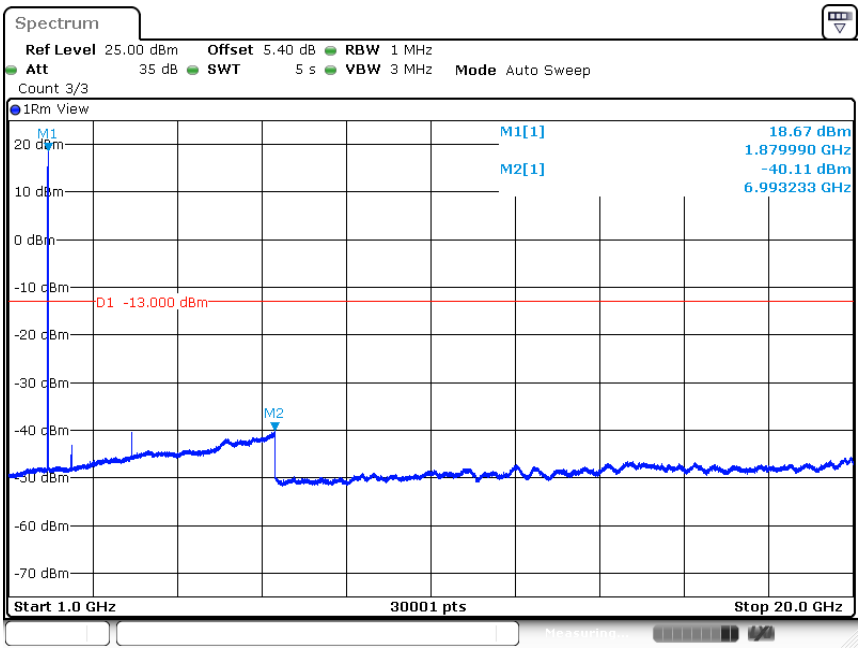
Band2-9400-1000~20000MHz



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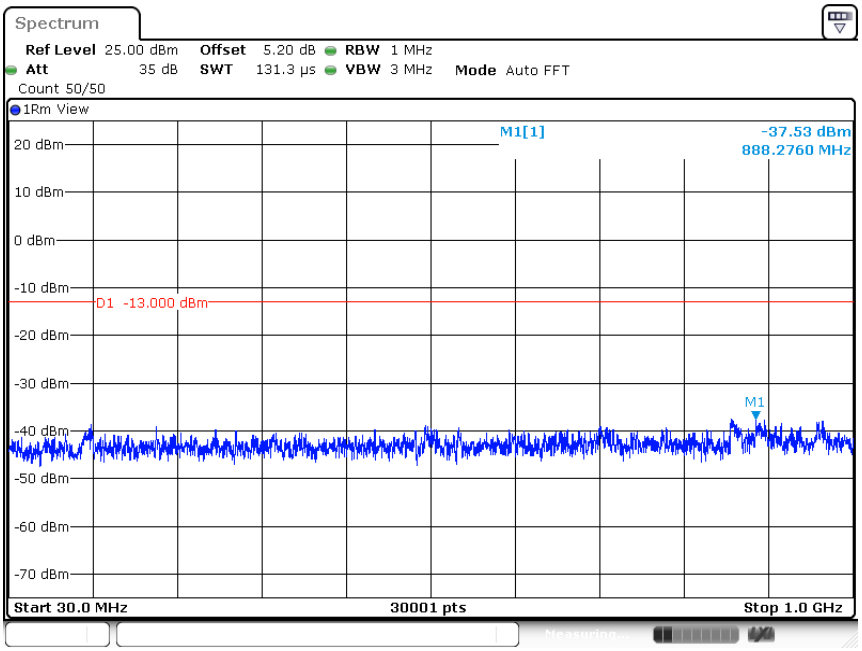
Band2-9538-30~1000MHz



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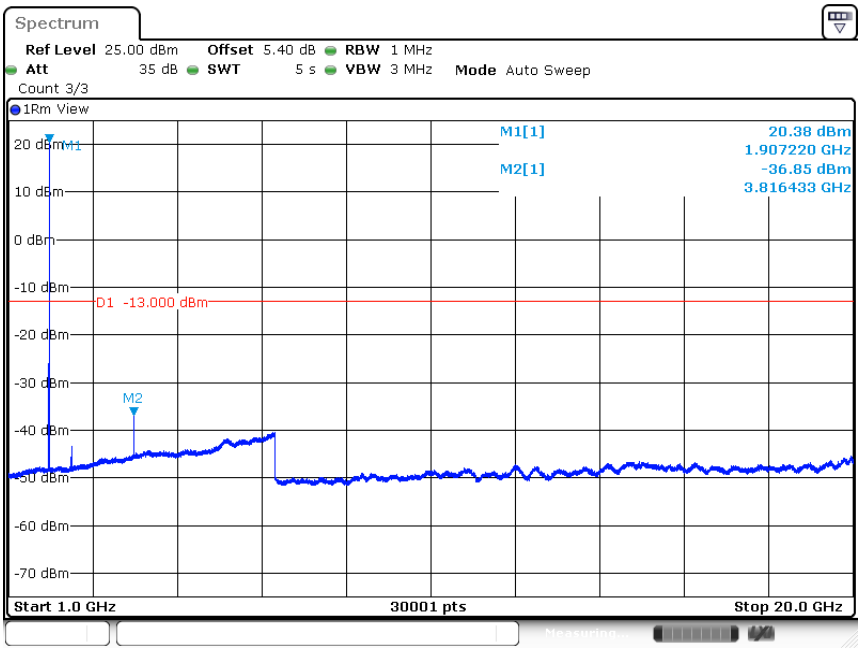
Band2-9538-1000~20000MHz



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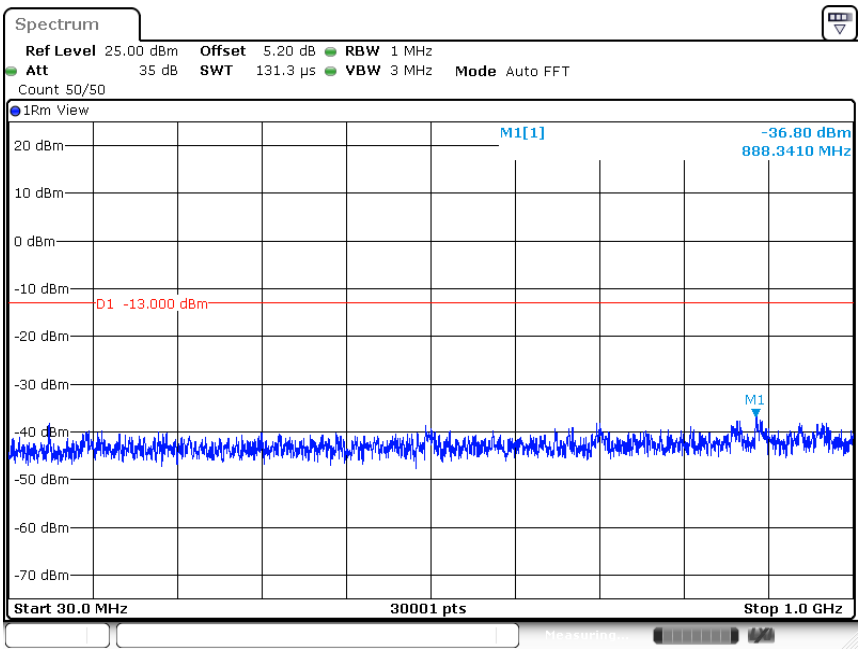
Band4-1312-30~1000MHz



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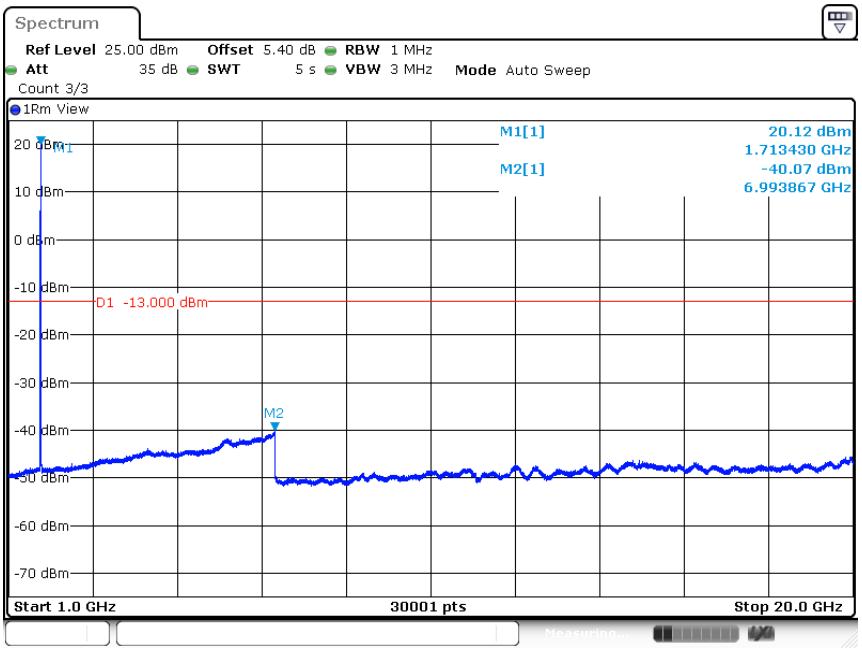
Band4-1312-1000~20000MHz



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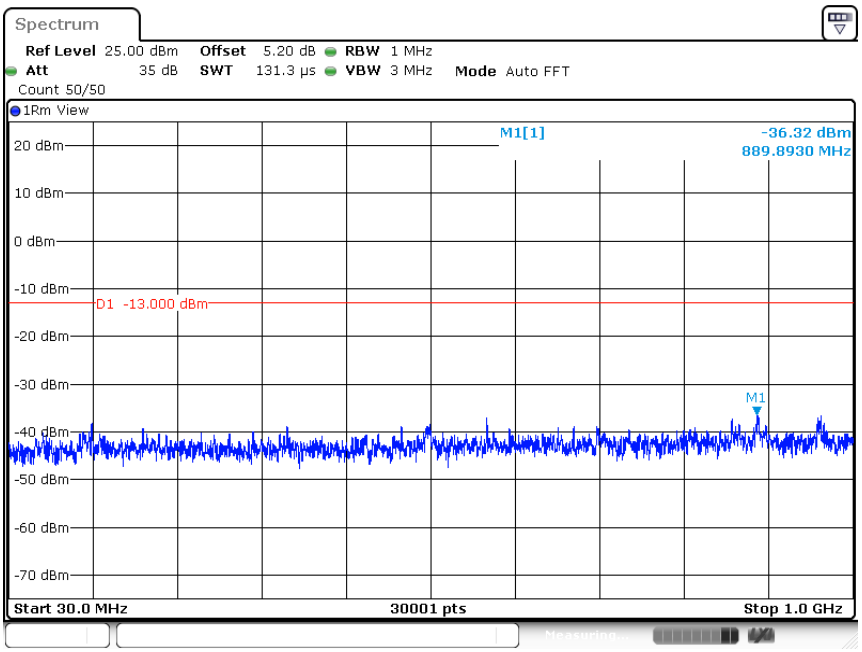
Band4-1413-30~1000MHz



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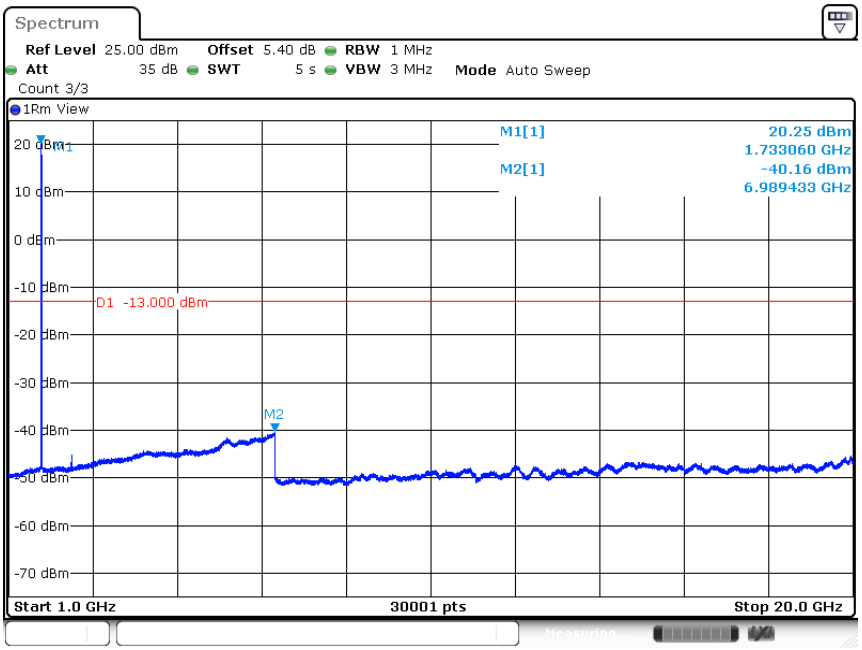
Band4-1413-1000~20000MHz



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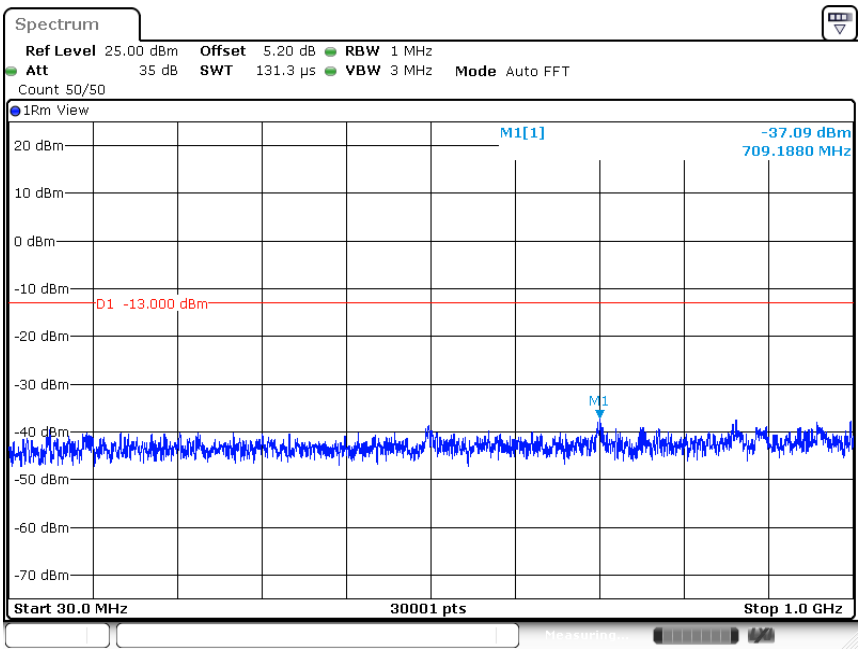
Band4-1513-30~1000MHz



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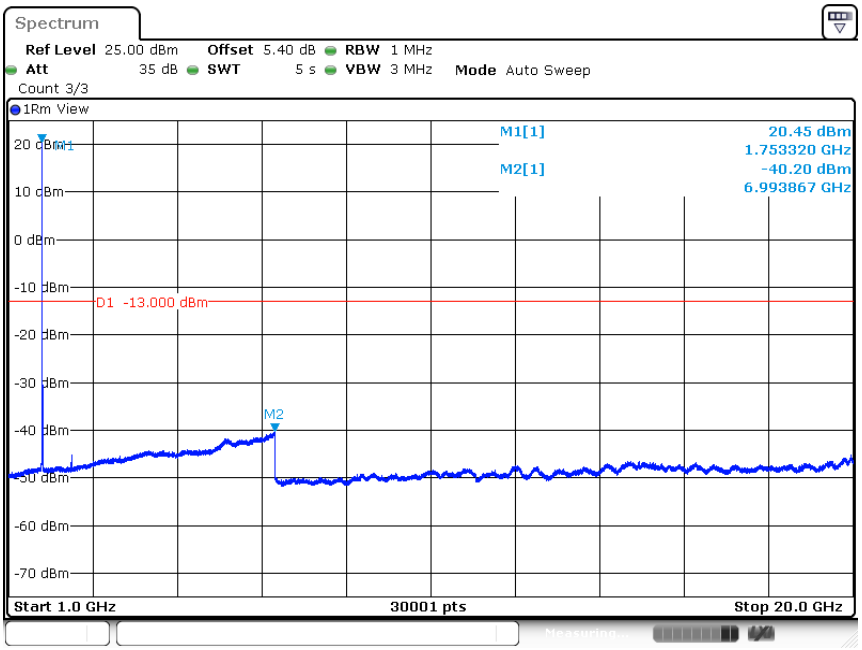
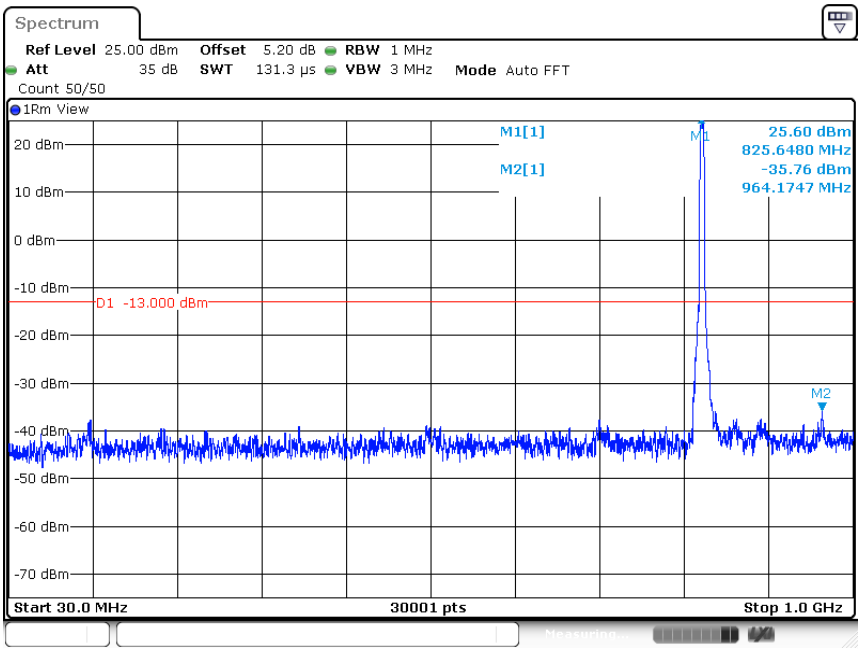
Band4-1513-1000~20000MHz



Date: 4.DEC.2020 20:06:59

Band5-4132-30~1000MHz



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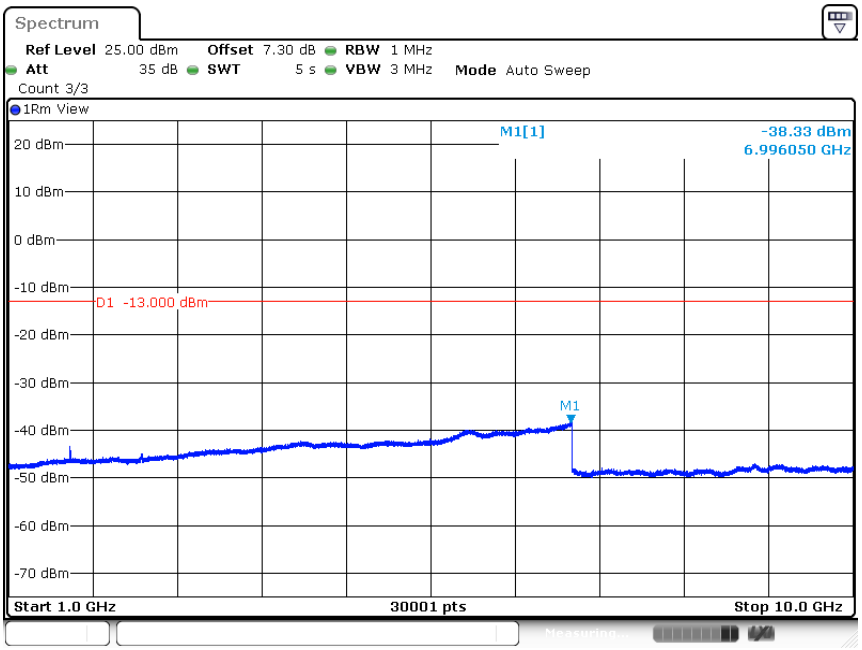
Band5-4132-1000~10000MHz



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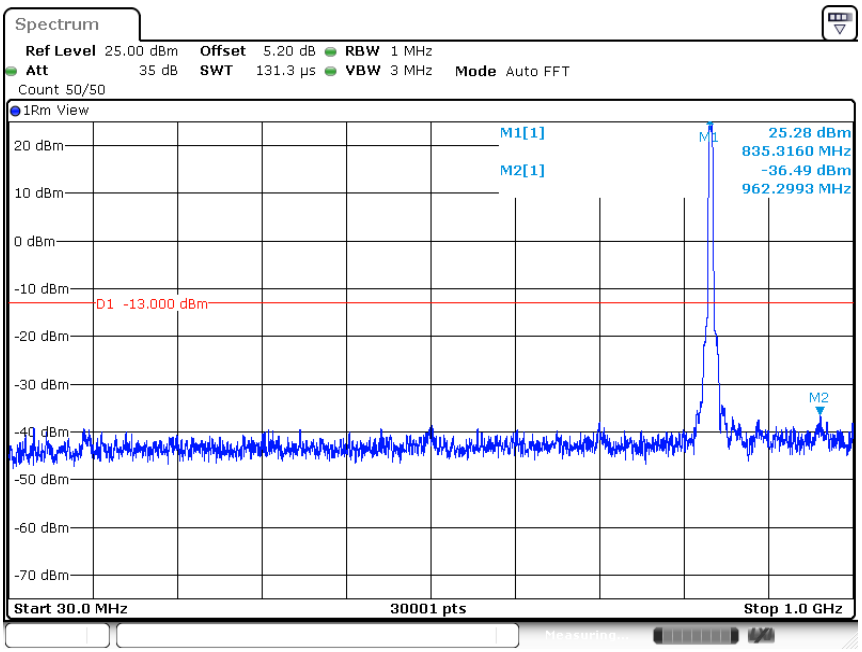
Band5-4182-30~1000MHz



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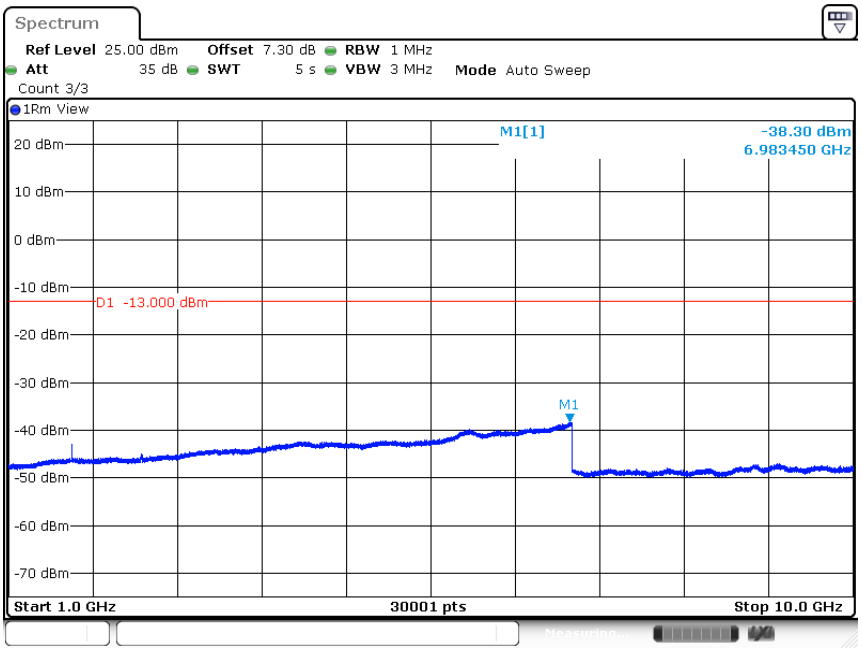
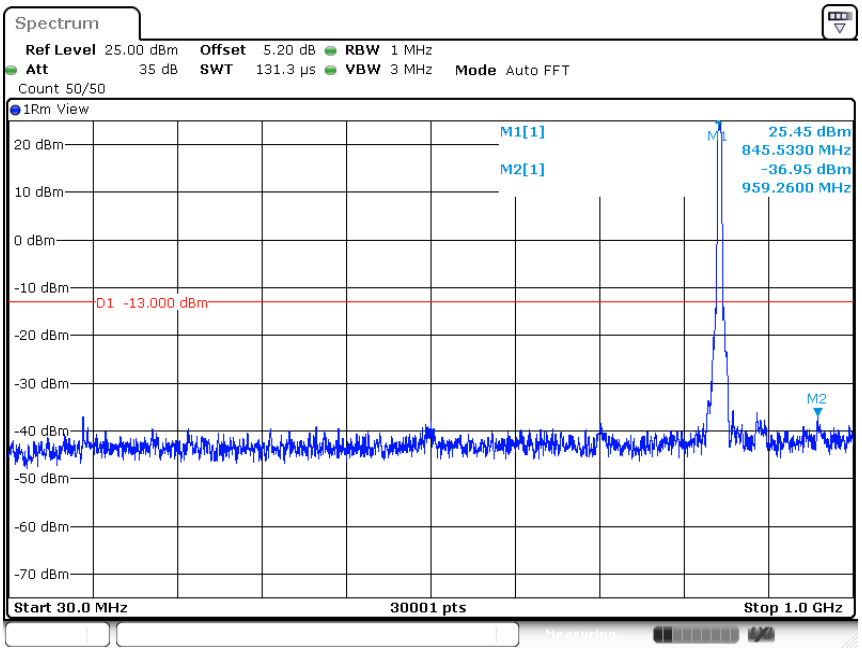
Band5-4182-1000~10000MHz



Date: 4.DEC.2020 19:47:31

Band5-4233-30~1000MHz



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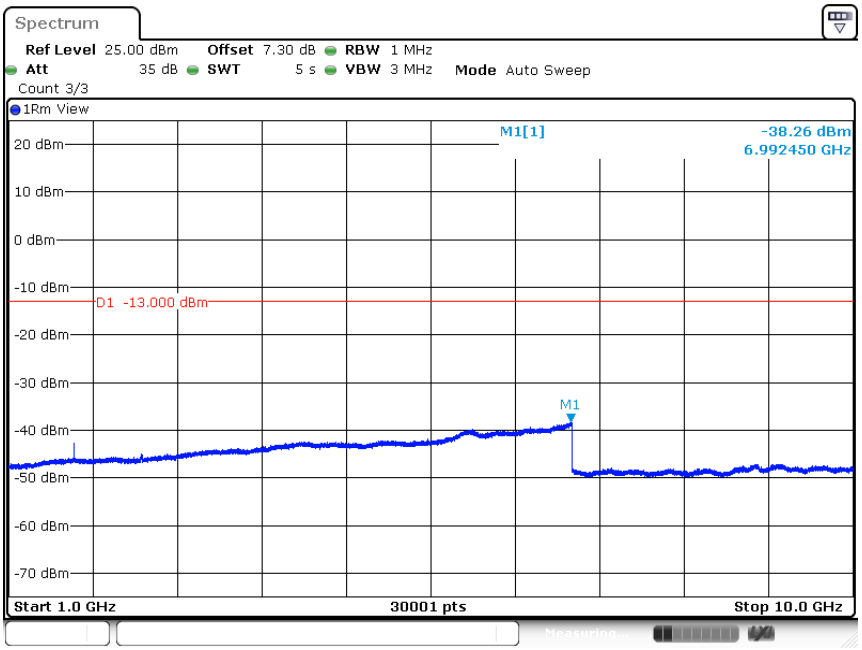

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7. Field Strength of Spurious Radiation

7.1. Test Band = WCDMA_II _TM1 CONFIG 0

7.1.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.3496	-61.95	-13.00	48.95	Horizontal
2	239.3850	-67.01	-13.00	54.01	Horizontal
3	2703.5407	-34.70	-13.00	21.70	Horizontal
4	3706.0235	-56.02	-13.00	43.02	Horizontal
5	5560.5854	-57.03	-13.00	44.03	Horizontal
6	17995.999	-43.27	-13.00	30.27	Horizontal

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7.2. Test Band = WCDMA_II _TM1 CONFIG 0

7.2.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	71.2271	-66.34	-13.00	53.34	Vertical
2	114.1517	-64.57	-13.00	51.57	Vertical
3	2692.3385	-36.00	-13.00	23.00	Vertical
4	3706.0235	-59.52	-13.00	46.52	Vertical
5	5560.5854	-58.00	-13.00	45.00	Vertical
6	17993.499	-38.52	-13.00	25.52	Vertical

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7.3. Test Band = WCDMA_II _TM1 CONFIG 0

7.3.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.2412	-63.38	-13.00	50.38	Horizontal
2	244.2837	-67.36	-13.00	54.36	Horizontal
3	2697.9396	-34.86	-13.00	21.86	Horizontal
4	3758.5253	-54.42	-13.00	41.42	Horizontal
5	5636.5879	-57.26	-13.00	44.26	Horizontal
6	16399.446	-43.00	-13.00	30.00	Horizontal

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7.4. Test Band = WCDMA_II _TM1 CONFIG 0

7.4.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	49.1100	-71.82	-13.00	58.82	Vertical
2	112.9391	-63.93	-13.00	50.93	Vertical
3	2704.3409	-35.93	-13.00	22.93	Vertical
4	3761.5254	-57.49	-13.00	44.49	Vertical
5	5643.0881	-59.11	-13.00	46.11	Vertical
6	17995.999	-38.65	-13.00	25.65	Vertical

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7.5. Test Band = WCDMA_II _TM1 CONFIG 0

7.5.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.2597	-63.75	-13.00	50.75	Horizontal
2	234.3407	-67.58	-13.00	54.58	Horizontal
3	2699.5399	-34.81	-13.00	21.81	Horizontal
4	3813.5271	-50.46	-13.00	37.46	Horizontal
5	5726.0909	-58.43	-13.00	45.43	Horizontal
6	16401.446	-42.68	-13.00	29.68	Horizontal

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7.6. Test Band = WCDMA_II _TM1 CONFIG 0

7.6.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	67.4924	-67.58	-13.00	54.58	Vertical
2	107.8949	-64.13	-13.00	51.13	Vertical
3	2707.5415	-35.91	-13.00	22.91	Vertical
4	3814.0271	-54.72	-13.00	41.72	Vertical
5	7352.6451	-55.32	-13.00	42.32	Vertical
6	17997.499	-38.48	-13.00	25.48	Vertical

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7.7. Test Band = WCDMA_IV _TM1 CONFIG 0

7.7.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.0957	-61.55	-13.00	48.55	Horizontal
2	230.0240	-63.95	-13.00	50.95	Horizontal
3	729.4535	-58.70	-13.00	45.70	Horizontal
4	2700.3401	-30.13	-13.00	17.13	Horizontal
5	5140.5714	-56.95	-13.00	43.95	Horizontal
6	16399.446	-35.19	-13.00	22.19	Horizontal

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7.8. Test Band = WCDMA_IV _TM1 CONFIG 0

7.8.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	51.7291	-69.98	-13.00	56.98	Vertical
2	109.8835	-61.99	-13.00	48.99	Vertical
3	587.5839	-60.52	-13.00	47.52	Vertical
4	2700.3401	-31.28	-13.00	18.28	Vertical
5	5141.0714	-56.84	-13.00	43.84	Vertical
6	17994.999	-33.09	-13.00	20.09	Vertical

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7.9. Test Band = WCDMA_IV _TM1 CONFIG 0

7.9.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.4837	-61.00	-13.00	48.00	Horizontal
2	240.6945	-64.72	-13.00	51.72	Horizontal
3	688.7599	-59.87	-13.00	46.87	Horizontal
4	2697.5395	-30.20	-13.00	17.20	Horizontal
5	5195.0732	-55.76	-13.00	42.76	Horizontal
6	16397.946	-35.28	-13.00	22.28	Horizontal

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7.10. Test Band = WCDMA_IV _TM1 CONFIG 0

7.10.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	51.8261	-69.29	-13.00	56.29	Vertical
2	111.9691	-62.11	-13.00	49.11	Vertical
3	624.1547	-59.98	-13.00	46.98	Vertical
4	2699.5399	-31.21	-13.00	18.21	Vertical
5	5194.5732	-55.48	-13.00	42.48	Vertical
6	17997.499	-34.02	-13.00	21.02	Vertical

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7.11. Test Band = WCDMA_IV _TM1 CONFIG 0

7.11.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.0957	-61.78	-13.00	48.78	Horizontal
2	226.8713	-64.46	-13.00	51.46	Horizontal
3	616.5398	-60.39	-13.00	47.39	Horizontal
4	2702.3405	-30.12	-13.00	17.12	Horizontal
5	5260.0753	-55.43	-13.00	42.43	Horizontal
6	16393.446	-35.56	-13.00	22.56	Horizontal

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7.12. Test Band = WCDMA_IV _TM1 CONFIG 0

7.12.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	71.2271	-66.52	-13.00	53.52	Vertical
2	120.6510	-61.92	-13.00	48.92	Vertical
3	709.9070	-58.19	-13.00	45.19	Vertical
4	2697.9396	-31.42	-13.00	18.42	Vertical
5	5255.0752	-55.27	-13.00	42.27	Vertical
6	17999.500	-33.80	-13.00	20.80	Vertical

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7.13. Test Band = WCDMA_V _TM1 CONFIG 0

7.13.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.1256	-63.87	-13.00	50.87	Horizontal
2	247.8729	-67.46	-13.00	54.46	Horizontal
3	497.8059	-64.91	-13.00	51.91	Horizontal
4	2705.1410	-50.10	-13.00	37.10	Horizontal
5	5021.2007	-61.03	-13.00	48.03	Horizontal
6	9343.3781	-52.21	-13.00	39.21	Horizontal

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7.14. Test Band = WCDMA_V _TM1 CONFIG 0

7.14.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	52.1171	-72.06	-13.00	59.06	Vertical
2	108.9619	-63.89	-13.00	50.89	Vertical
3	395.0778	-67.58	-13.00	54.58	Vertical
4	1777.7556	-59.74	-13.00	46.74	Vertical
5	2998.7998	-50.84	-13.00	37.84	Vertical
6	9330.0777	-51.58	-13.00	38.58	Vertical

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7.15. Test Band = WCDMA_V _TM1 CONFIG 0

7.15.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.5807	-62.92	-13.00	49.92	Horizontal
2	233.5162	-67.18	-13.00	54.18	Horizontal
3	427.7684	-66.71	-13.00	53.71	Horizontal
4	2480.2961	-49.46	-13.00	36.46	Horizontal
5	5987.2329	-60.20	-13.00	47.20	Horizontal
6	9307.6769	-52.08	-13.00	39.08	Horizontal

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7.16. Test Band = WCDMA_V _TM1 CONFIG 0

7.16.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	71.1786	-66.97	-13.00	53.97	Vertical
2	115.5583	-64.15	-13.00	51.15	Vertical
3	419.8140	-67.62	-13.00	54.62	Vertical
4	2997.5995	-50.67	-13.00	37.67	Vertical
5	5084.9028	-61.45	-13.00	48.45	Vertical
6	9331.4777	-52.13	-13.00	39.13	Vertical

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7.17. Test Band = WCDMA_V _TM1 CONFIG 0

7.17.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.1741	-63.63	-13.00	50.63	Horizontal
2	225.7558	-67.79	-13.00	54.79	Horizontal
3	492.5191	-66.40	-13.00	53.40	Horizontal
4	2703.5407	-50.13	-13.00	37.13	Horizontal
5	5097.0366	-61.18	-13.00	48.18	Horizontal
6	9288.0763	-52.24	-13.00	39.24	Horizontal

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7.18. Test Band = WCDMA_V _TM1 CONFIG 0

7.18.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	71.2756	-65.88	-13.00	52.88	Vertical
2	111.3871	-64.10	-13.00	51.10	Vertical
3	394.1077	-67.07	-13.00	54.07	Vertical
4	2479.4959	-52.55	-13.00	39.55	Vertical
5	3741.0914	-61.80	-13.00	48.80	Vertical
6	9901.5301	-51.66	-13.00	38.66	Vertical

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7.19. Test Band = WCDMA_II _TM1 CONFIG 1

7.19.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	37.8574	-63.67	-13.00	50.67	Horizontal
2	233.5162	-67.06	-13.00	54.06	Horizontal
3	565.9518	-63.41	-13.00	50.41	Horizontal
4	2696.3393	-34.82	-13.00	21.82	Horizontal
5	3706.5236	-56.84	-13.00	43.84	Horizontal
6	17995.999	-43.33	-13.00	30.33	Horizontal

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7.20. Test Band = WCDMA_II _TM1 CONFIG 1

7.20.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	59.6350	-70.84	-13.00	57.84	Vertical
2	110.5625	-63.51	-13.00	50.51	Vertical
3	625.2703	-62.42	-13.00	49.42	Vertical
4	2700.7401	-35.93	-13.00	22.93	Vertical
5	7989.6663	-54.98	-13.00	41.98	Vertical
6	17991.499	-38.35	-13.00	25.35	Vertical

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7.21. Test Band = WCDMA_II _TM1 CONFIG 1

7.21.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.2597	-63.28	-13.00	50.28	Horizontal
2	237.1054	-67.59	-13.00	54.59	Horizontal
3	678.0409	-62.96	-13.00	49.96	Horizontal
4	2700.7401	-34.73	-13.00	21.73	Horizontal
5	3758.0253	-55.90	-13.00	42.90	Horizontal
6	16378.946	-43.19	-13.00	30.19	Horizontal

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7.22. Test Band = WCDMA_II _TM1 CONFIG 1

7.22.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	50.0315	-71.35	-13.00	58.35	Vertical
2	110.3685	-63.48	-13.00	50.48	Vertical
3	473.1667	-66.64	-13.00	53.64	Vertical
4	2699.1398	-36.01	-13.00	23.01	Vertical
5	7993.1664	-54.65	-13.00	41.65	Vertical
6	17995.999	-38.42	-13.00	25.42	Vertical

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7.23. Test Band = WCDMA_II _TM1 CONFIG 1

7.23.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.1927	-63.86	-13.00	50.86	Horizontal
2	240.3065	-67.86	-13.00	54.86	Horizontal
3	676.4888	-61.68	-13.00	48.68	Horizontal
4	2697.9396	-34.89	-13.00	21.89	Horizontal
5	3813.0271	-54.09	-13.00	41.09	Horizontal
6	16398.946	-43.31	-13.00	30.31	Horizontal

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7.24. Test Band = WCDMA_II _TM1 CONFIG 1

7.24.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	71.2271	-67.60	-13.00	54.60	Vertical
2	109.3985	-64.12	-13.00	51.12	Vertical
3	574.0517	-64.01	-13.00	51.01	Vertical
4	2712.3425	-36.01	-13.00	23.01	Vertical
5	7477.1492	-55.62	-13.00	42.62	Vertical
6	17996.999	-38.88	-13.00	25.88	Vertical

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7.25. Test Band = WCDMA_IV _TM1 CONFIG 1

7.25.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.4723	-61.72	-13.00	48.72	Horizontal
2	240.5005	-64.82	-13.00	51.82	Horizontal
3	685.4133	-59.63	-13.00	46.63	Horizontal
4	2699.5399	-30.12	-13.00	17.12	Horizontal
5	7441.1480	-53.58	-13.00	40.58	Horizontal
6	16397.946	-35.26	-13.00	22.26	Horizontal

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7.26. Test Band = WCDMA_IV _TM1 CONFIG 1

7.26.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.1998	-70.57	-13.00	57.57	Vertical
2	114.0062	-62.54	-13.00	49.54	Vertical
3	592.5796	-59.82	-13.00	46.82	Vertical
4	2691.5383	-31.35	-13.00	18.35	Vertical
5	5985.0995	-58.58	-13.00	45.58	Vertical
6	17995.499	-34.00	-13.00	21.00	Vertical

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7.27. Test Band = WCDMA_IV _TM1 CONFIG 1

7.27.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.3567	-61.82	-13.00	48.82	Horizontal
2	229.7330	-64.49	-13.00	51.49	Horizontal
3	720.6745	-58.57	-13.00	45.57	Horizontal
4	2693.9388	-30.05	-13.00	17.05	Horizontal
5	7460.1487	-53.44	-13.00	40.44	Horizontal
6	16404.446	-35.65	-13.00	22.65	Horizontal

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7.28. Test Band = WCDMA_IV _TM1 CONFIG 1

7.28.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	55.3668	-69.85	-13.00	56.85	Vertical
2	105.2758	-61.49	-13.00	48.49	Vertical
3	721.8386	-58.23	-13.00	45.23	Vertical
4	2700.3401	-31.34	-13.00	18.34	Vertical
5	7457.6486	-52.93	-13.00	39.93	Vertical
6	17994.999	-33.37	-13.00	20.37	Vertical

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7.29. Test Band = WCDMA_IV _TM1 CONFIG 1

7.29.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.6477	-61.84	-13.00	48.84	Horizontal
2	231.7701	-63.59	-13.00	50.59	Horizontal
3	725.9613	-57.63	-13.00	44.63	Horizontal
4	2696.3393	-30.02	-13.00	17.02	Horizontal
5	7456.1485	-53.39	-13.00	40.39	Horizontal
6	16396.946	-35.59	-13.00	22.59	Horizontal

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7.30. Test Band = WCDMA_IV _TM1 CONFIG 1

7.30.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	48.0429	-69.88	-13.00	56.88	Vertical
2	119.0505	-62.47	-13.00	49.47	Vertical
3	690.6515	-59.70	-13.00	46.70	Vertical
4	2702.3405	-31.46	-13.00	18.46	Vertical
5	7457.1486	-52.92	-13.00	39.92	Vertical
6	17998.500	-33.46	-13.00	20.46	Vertical

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7.31. Test Band = WCDMA_V _TM1 CONFIG 1

7.31.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7747	-62.75	-13.00	49.75	Horizontal
2	228.9569	-67.76	-13.00	54.76	Horizontal
3	591.9976	-62.85	-13.00	49.85	Horizontal
4	1973.3947	-58.28	-13.00	45.28	Horizontal
5	2695.5391	-50.02	-13.00	37.02	Horizontal
6	9304.8768	-52.02	-13.00	39.02	Horizontal

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7.32. Test Band = WCDMA_V _TM1 CONFIG 1

7.32.1. Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	48.7219	-71.78	-13.00	58.78	Vertical
2	107.4584	-64.10	-13.00	51.10	Vertical
3	448.0909	-66.53	-13.00	53.53	Vertical
4	2460.2921	-49.38	-13.00	36.38	Vertical
5	5145.8049	-61.51	-13.00	48.51	Vertical
6	9773.6591	-51.75	-13.00	38.75	Vertical

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7.33. Test Band = WCDMA_V _TM1 CONFIG 1

7.33.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.2298	-63.82	-13.00	50.82	Horizontal
2	242.1011	-67.36	-13.00	54.36	Horizontal
3	581.9091	-63.30	-13.00	50.30	Horizontal
4	1826.5653	-58.40	-13.00	45.40	Horizontal
5	2701.9404	-50.00	-13.00	37.00	Horizontal
6	9338.2446	-52.10	-13.00	39.10	Horizontal

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7.34. Test Band = WCDMA_V _TM1 CONFIG 1

7.34.1. Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	71.2756	-67.07	-13.00	54.07	Vertical
2	115.8008	-63.67	-13.00	50.67	Vertical
3	459.6830	-66.69	-13.00	53.69	Vertical
4	2479.8960	-49.88	-13.00	36.88	Vertical
5	5108.0036	-61.49	-13.00	48.49	Vertical
6	9883.7961	-51.46	-13.00	38.46	Vertical

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7.35. Test Band = WCDMA_V _TM1 CONFIG 1

7.35.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.6477	-63.04	-13.00	50.04	Horizontal
2	231.4791	-67.27	-13.00	54.27	Horizontal
3	604.9477	-62.75	-13.00	49.75	Horizontal
4	2413.0826	-50.02	-13.00	37.02	Horizontal
5	5171.4724	-60.98	-13.00	47.98	Horizontal
6	9320.7440	-51.83	-13.00	38.83	Horizontal

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7.36. Test Band = WCDMA_V _TM1 CONFIG 1

7.36.1. Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	48.0429	-71.55	-13.00	58.55	Vertical
2	118.1289	-64.29	-13.00	51.29	Vertical
3	390.8580	-67.53	-13.00	54.53	Vertical
4	2426.2853	-48.99	-13.00	35.99	Vertical
5	5056.2019	-61.43	-13.00	48.43	Vertical
6	9875.1625	-51.64	-13.00	38.64	Vertical

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

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8. Frequency Stability

8.1. Frequency Vs Voltage

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	18.79	0.010144	±2.5	PASS
Band2	9262	VN	NT	19.25	0.010392	±2.5	PASS
Band2	9262	VH	NT	19.09	0.010306	±2.5	PASS
Band2	9400	VL	NT	11.64	0.006191	±2.5	PASS
Band2	9400	VN	NT	11.83	0.006293	±2.5	PASS
Band2	9400	VH	NT	12.04	0.006404	±2.5	PASS
Band2	9538	VL	NT	5.99	0.003140	±2.5	PASS
Band2	9538	VN	NT	6.09	0.003192	±2.5	PASS
Band2	9538	VH	NT	5.93	0.003109	±2.5	PASS
Band4	1312	VL	NT	25.92	0.015137	±2.5	PASS
Band4	1312	VN	NT	25.86	0.015102	±2.5	PASS
Band4	1312	VH	NT	24.70	0.014424	±2.5	PASS
Band4	1413	VL	NT	-13.01	-0.007509	±2.5	PASS
Band4	1413	VN	NT	-12.34	-0.007122	±2.5	PASS
Band4	1413	VH	NT	-12.64	-0.007295	±2.5	PASS
Band4	1513	VL	NT	-16.22	-0.009255	±2.5	PASS
Band4	1513	VN	NT	-16.06	-0.009164	±2.5	PASS
Band4	1513	VH	NT	-16.13	-0.009203	±2.5	PASS
Band5	4132	VL	NT	2.86	0.003461	±2.5	PASS
Band5	4132	VN	NT	2.85	0.003449	±2.5	PASS
Band5	4132	VH	NT	3.08	0.003727	±2.5	PASS
Band5	4182	VL	NT	0.08	0.000096	±2.5	PASS
Band5	4182	VN	NT	0.17	0.000203	±2.5	PASS
Band5	4182	VH	NT	0.14	0.000167	±2.5	PASS
Band5	4233	VL	NT	-2.77	-0.003272	±2.5	PASS
Band5	4233	VN	NT	-2.57	-0.003036	±2.5	PASS
Band5	4233	VH	NT	-2.73	-0.003225	±2.5	PASS

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8.2. Frequency Vs Temperature

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	18.60	0.010041	±2.5	PASS
Band2	9262	NV	-20	18.62	0.010052	±2.5	PASS
Band2	9262	NV	-10	18.53	0.010003	±2.5	PASS
Band2	9262	NV	0	18.53	0.010003	±2.5	PASS
Band2	9262	NV	10	18.63	0.010057	±2.5	PASS
Band2	9262	NV	20	18.50	0.009987	±2.5	PASS
Band2	9262	NV	30	18.46	0.009965	±2.5	PASS
Band2	9262	NV	40	18.53	0.010003	±2.5	PASS
Band2	9262	NV	50	18.30	0.009879	±2.5	PASS
Band2	9400	NV	-30	11.84	0.006298	±2.5	PASS
Band2	9400	NV	-20	12.07	0.006420	±2.5	PASS
Band2	9400	NV	-10	11.92	0.006340	±2.5	PASS
Band2	9400	NV	0	12.13	0.006452	±2.5	PASS
Band2	9400	NV	10	11.75	0.006250	±2.5	PASS
Band2	9400	NV	20	11.87	0.006314	±2.5	PASS
Band2	9400	NV	30	12.75	0.006782	±2.5	PASS
Band2	9400	NV	40	11.85	0.006303	±2.5	PASS
Band2	9400	NV	50	11.69	0.006218	±2.5	PASS
Band2	9538	NV	-30	5.87	0.003077	±2.5	PASS
Band2	9538	NV	-20	5.76	0.003020	±2.5	PASS
Band2	9538	NV	-10	5.99	0.003140	±2.5	PASS
Band2	9538	NV	0	6.10	0.003198	±2.5	PASS
Band2	9538	NV	10	5.69	0.002983	±2.5	PASS
Band2	9538	NV	20	5.95	0.003119	±2.5	PASS
Band2	9538	NV	30	5.76	0.003020	±2.5	PASS
Band2	9538	NV	40	5.75	0.003014	±2.5	PASS
Band2	9538	NV	50	5.79	0.003035	±2.5	PASS
Band4	1312	NV	-30	24.28	0.014179	±2.5	PASS
Band4	1312	NV	-20	24.05	0.014045	±2.5	PASS
Band4	1312	NV	-10	23.57	0.013764	±2.5	PASS
Band4	1312	NV	0	23.45	0.013694	±2.5	PASS
Band4	1312	NV	10	23.06	0.013466	±2.5	PASS
Band4	1312	NV	20	22.75	0.013285	±2.5	PASS

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Band4	1312	NV	30	22.57	0.013180	±2.5	PASS
Band4	1312	NV	40	22.49	0.013134	±2.5	PASS
Band4	1312	NV	50	22.18	0.012953	±2.5	PASS
Band4	1413	NV	-30	-11.84	-0.006834	±2.5	PASS
Band4	1413	NV	-20	-12.16	-0.007018	±2.5	PASS
Band4	1413	NV	-10	-12.09	-0.006978	±2.5	PASS
Band4	1413	NV	0	-11.99	-0.006920	±2.5	PASS
Band4	1413	NV	10	-11.99	-0.006920	±2.5	PASS
Band4	1413	NV	20	-12.01	-0.006932	±2.5	PASS
Band4	1413	NV	30	-12.21	-0.007047	±2.5	PASS
Band4	1413	NV	40	-12.02	-0.006938	±2.5	PASS
Band4	1413	NV	50	-12.07	-0.006966	±2.5	PASS
Band4	1513	NV	-30	-16.37	-0.009340	±2.5	PASS
Band4	1513	NV	-20	-16.35	-0.009329	±2.5	PASS
Band4	1513	NV	-10	-16.31	-0.009306	±2.5	PASS
Band4	1513	NV	0	-15.91	-0.009078	±2.5	PASS
Band4	1513	NV	10	-16.07	-0.009169	±2.5	PASS
Band4	1513	NV	20	-15.44	-0.008810	±2.5	PASS
Band4	1513	NV	30	-15.84	-0.009038	±2.5	PASS
Band4	1513	NV	40	-15.87	-0.009055	±2.5	PASS
Band4	1513	NV	50	-15.87	-0.009055	±2.5	PASS
Band5	4132	NV	-30	3.03	0.003667	±2.5	PASS
Band5	4132	NV	-20	2.90	0.003509	±2.5	PASS
Band5	4132	NV	-10	2.82	0.003412	±2.5	PASS
Band5	4132	NV	0	2.87	0.003473	±2.5	PASS
Band5	4132	NV	10	2.82	0.003412	±2.5	PASS
Band5	4132	NV	20	2.76	0.003340	±2.5	PASS
Band5	4132	NV	30	2.61	0.003158	±2.5	PASS
Band5	4132	NV	40	2.68	0.003243	±2.5	PASS
Band5	4132	NV	50	2.60	0.003146	±2.5	PASS
Band5	4182	NV	-30	0.06	0.000072	±2.5	PASS
Band5	4182	NV	-20	0.16	0.000191	±2.5	PASS
Band5	4182	NV	-10	0.06	0.000072	±2.5	PASS
Band5	4182	NV	0	-0.01	-0.000012	±2.5	PASS
Band5	4182	NV	10	-0.02	-0.000024	±2.5	PASS
Band5	4182	NV	20	-0.06	-0.000072	±2.5	PASS
Band5	4182	NV	30	0.11	0.000132	±2.5	PASS

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Band5	4182	NV	40	-0.06	-0.000072	±2.5	PASS
Band5	4182	NV	50	0.05	0.000060	±2.5	PASS
Band5	4233	NV	-30	-2.65	-0.003130	±2.5	PASS
Band5	4233	NV	-20	-2.62	-0.003095	±2.5	PASS
Band5	4233	NV	-10	-2.93	-0.003461	±2.5	PASS
Band5	4233	NV	0	-2.76	-0.003260	±2.5	PASS
Band5	4233	NV	10	-2.83	-0.003343	±2.5	PASS
Band5	4233	NV	20	-2.63	-0.003107	±2.5	PASS
Band5	4233	NV	30	-2.94	-0.003473	±2.5	PASS
Band5	4233	NV	40	-2.69	-0.003177	±2.5	PASS
Band5	4233	NV	50	-2.65	-0.003130	±2.5	PASS

The End

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