

Appendix B

WCDMA Band II & IV & V

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1. Effective (Isotropic) Radiated Power

1.1. Test Result for Ant0

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.18	15.03	38.45	PASS
Band V	4182	24.22	15.07	38.45	PASS
Band V	4233	24.09	14.94	38.45	PASS

1.2. Test Result for Ant1

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.25	18.70	38.45	PASS
Band V	4182	24.31	18.76	38.45	PASS
Band V	4233	24.21	18.66	38.45	PASS

1.3. Test Result for Ant2

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	23.24	21.64	33.00	PASS
Band II	9400	23.28	21.68	33.00	PASS
Band II	9538	23.36	21.76	33.00	PASS
Band IV	1312	23.51	21.11	30.00	PASS
Band IV	1413	23.48	21.08	30.00	PASS
Band IV	1513	23.36	20.96	30.00	PASS

1.4. Test Result for Ant3

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	22.54	20.54	33.00	PASS
Band II	9400	22.52	20.52	33.00	PASS
Band II	9538	22.61	20.61	33.00	PASS
Band IV	1312	22.78	20.28	30.00	PASS
Band IV	1413	22.81	20.31	30.00	PASS
Band IV	1513	22.75	20.25	30.00	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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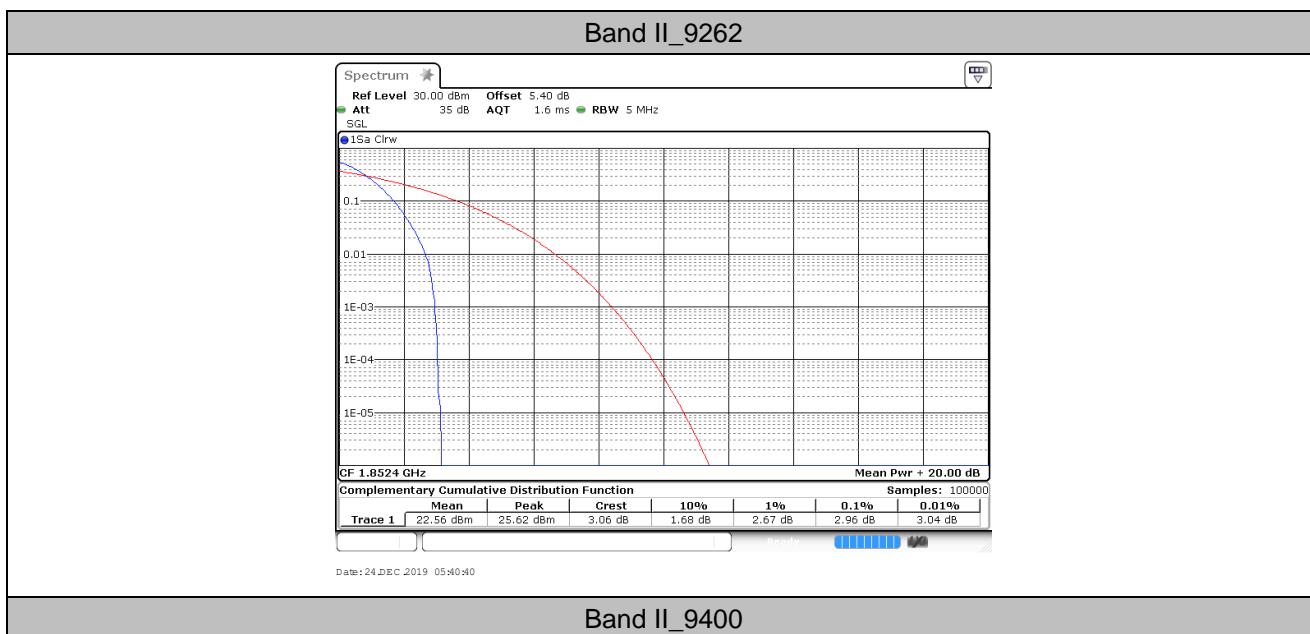
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2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	2.96	13.00	PASS
Band II	9400	2.99	13.00	PASS
Band II	9538	3.10	13.00	PASS
Band IV	1312	2.99	13.00	PASS
Band IV	1413	2.99	13.00	PASS
Band IV	1513	2.96	13.00	PASS
Band V	4132	2.93	13.00	PASS
Band V	4182	2.96	13.00	PASS
Band V	4233	2.87	13.00	PASS

2.2. Test Plots

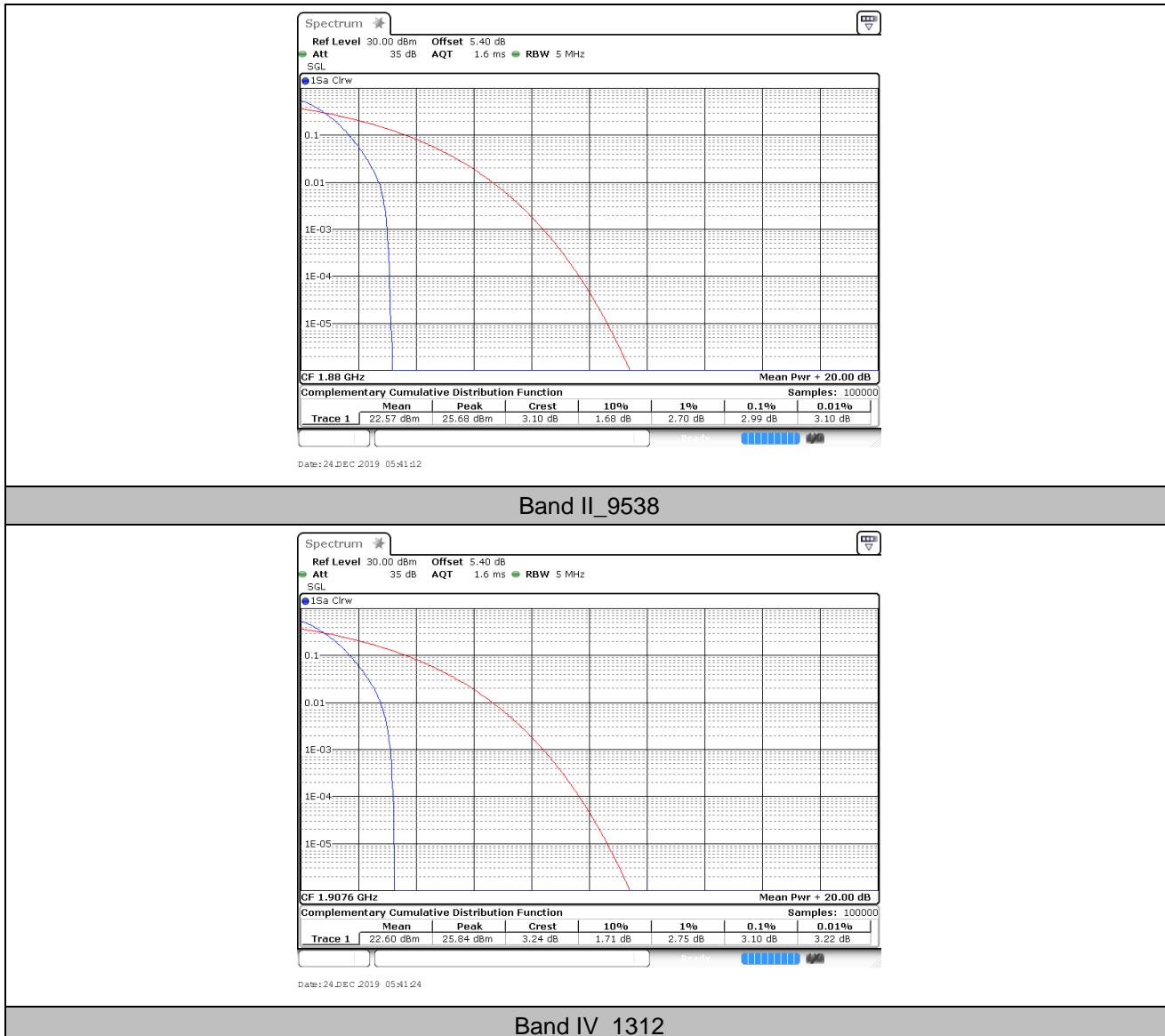


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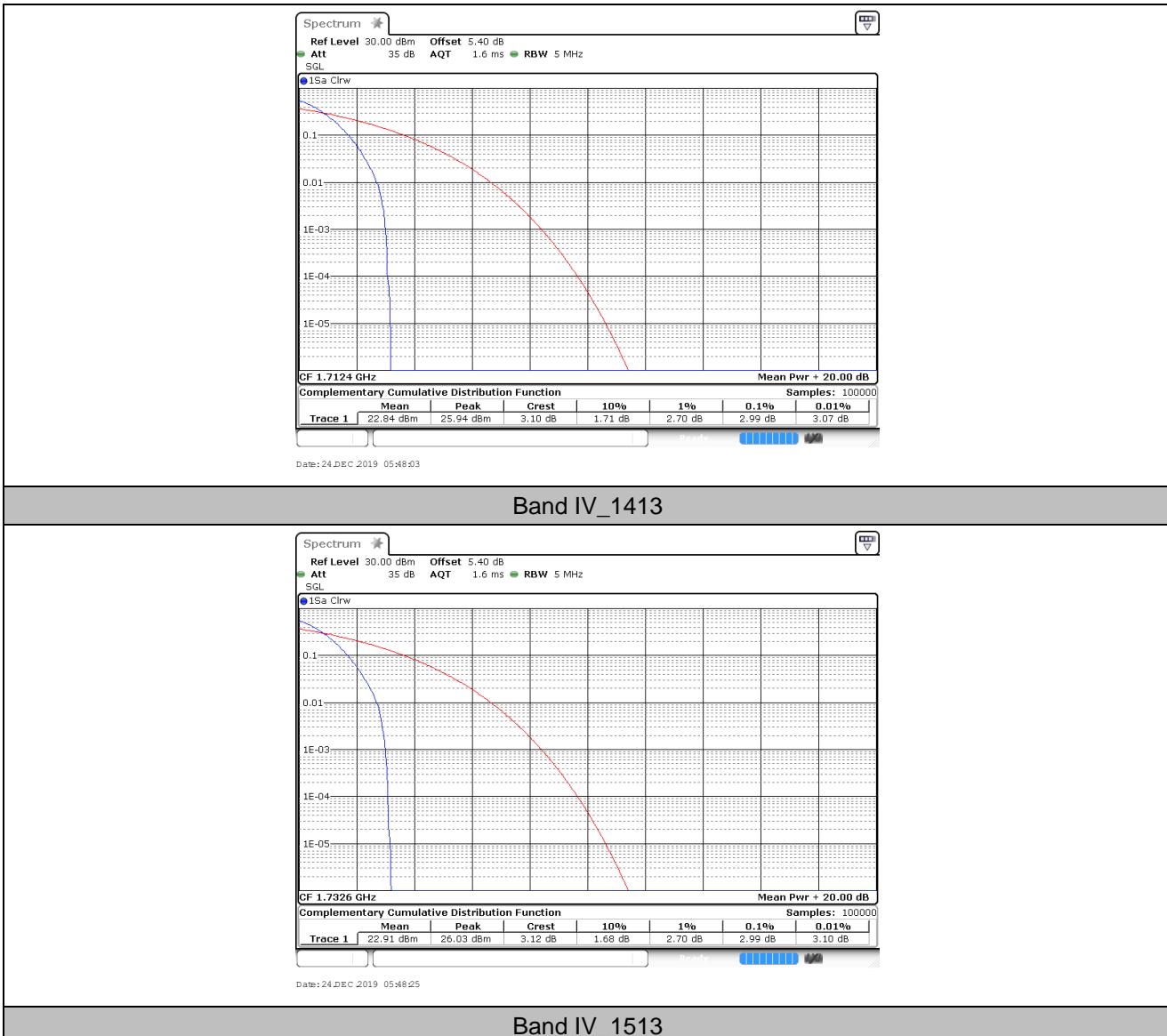


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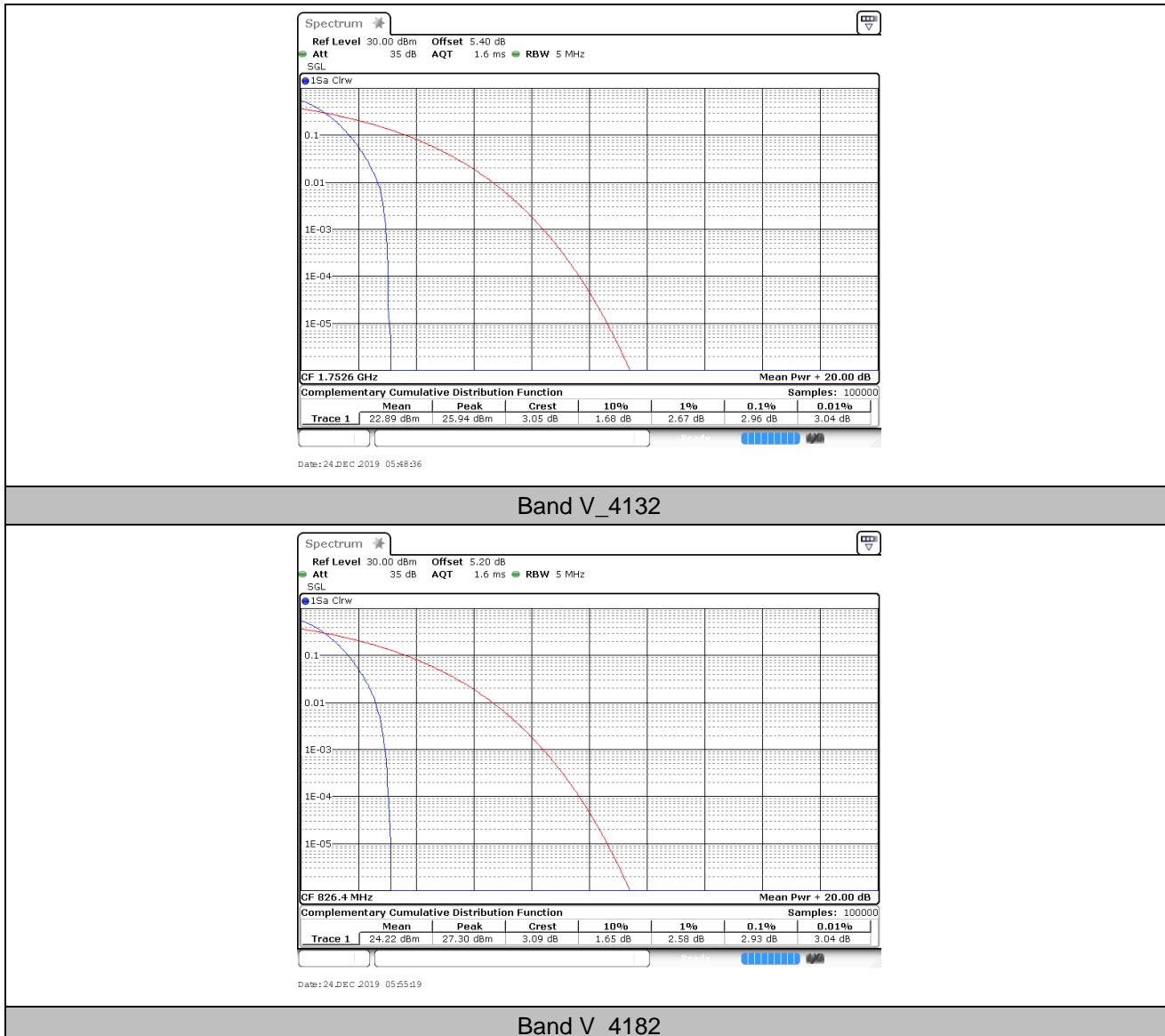


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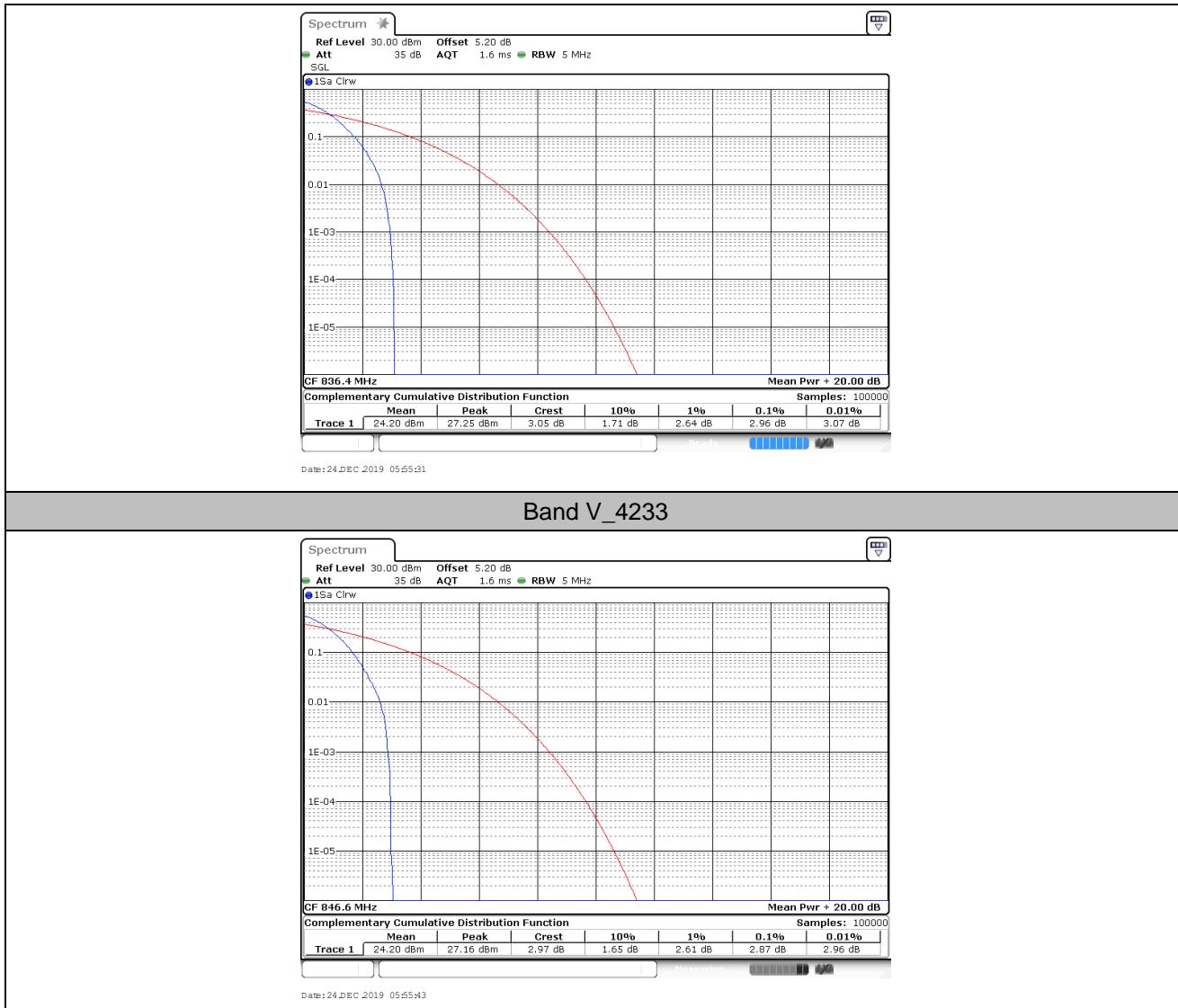
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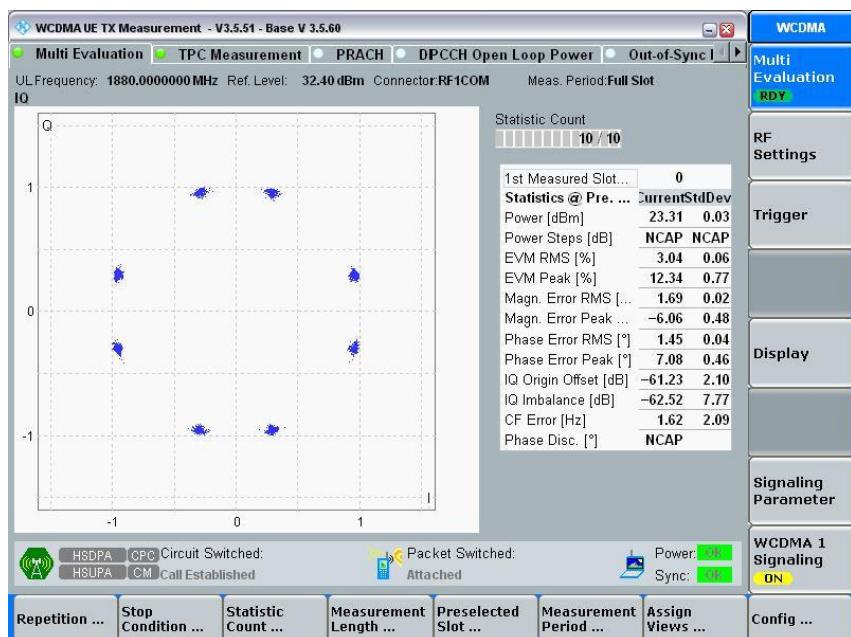
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3. Modulation Characteristics

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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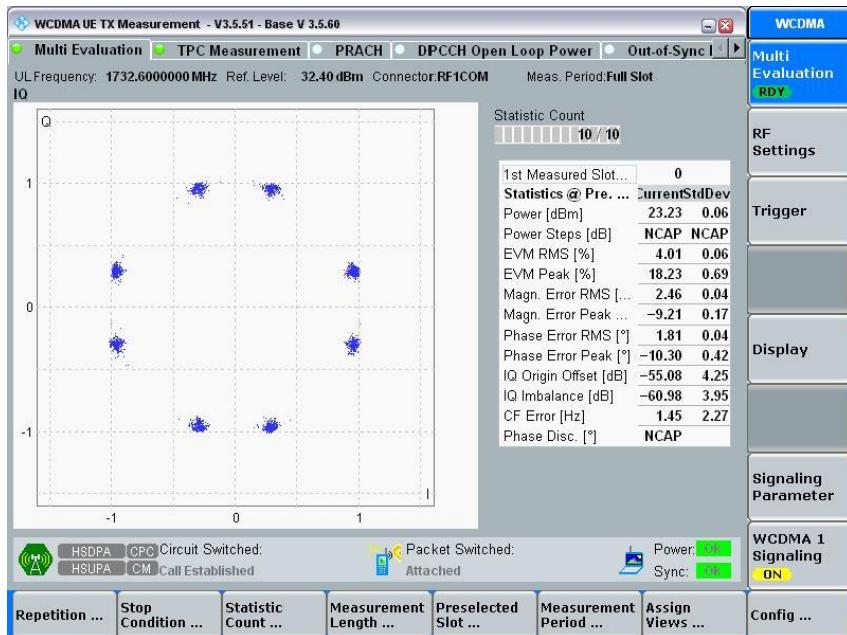


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3.2. Test Band = WCDMA Band IV

3.2.1. Test Mode = UMTS/TM1

3.2.1.1. Test Channel = MCH



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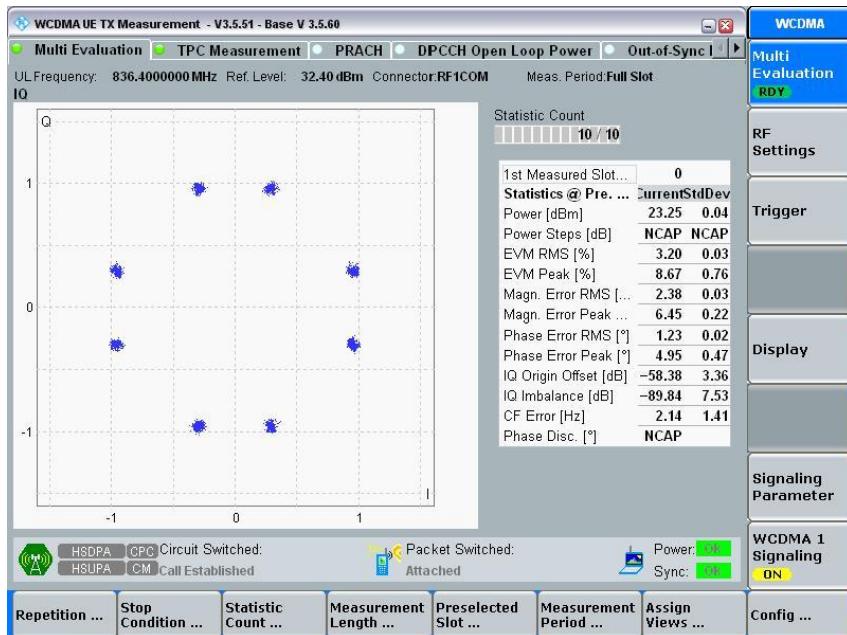
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3.3. Test Band = WCDMA Band V

3.3.1. Test Mode = UMTS/TM1

3.3.1.1. Test Channel = MCH



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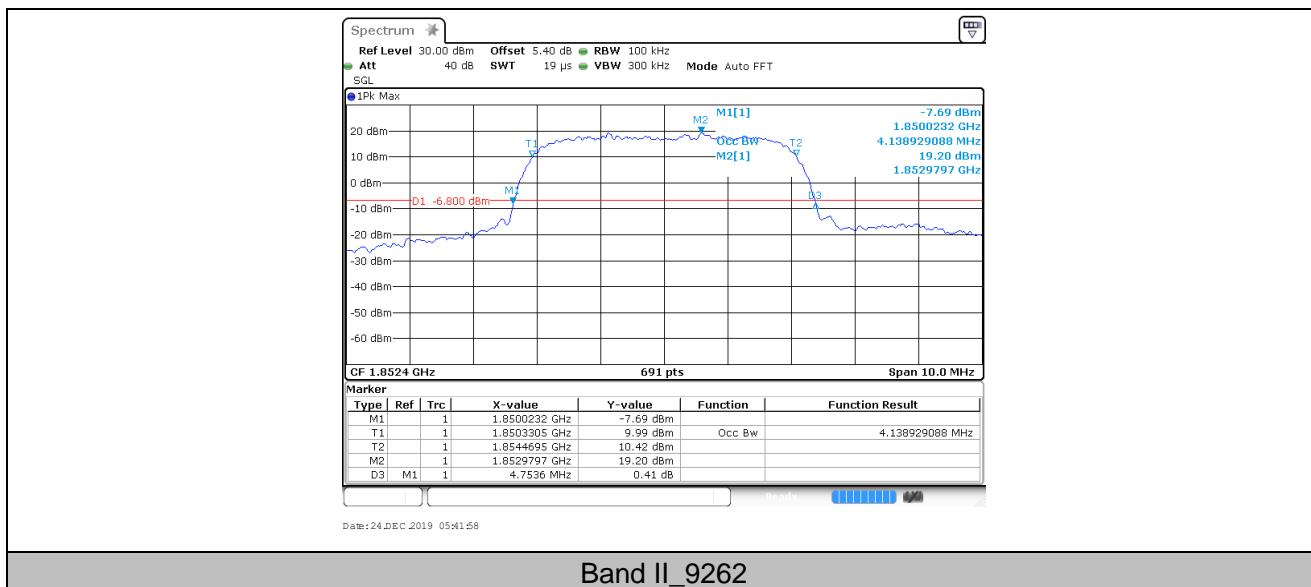


4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4138.9	4754	---	PASS
Band II	9400	4138.9	4739	---	PASS
Band II	9538	4138.9	4754	---	PASS
Band IV	1312	4138.9	4739	---	PASS
Band IV	1413	4138.9	4739	---	PASS
Band IV	1513	4138.9	4739	---	PASS
Band V	4132	4124.5	4725	---	PASS
Band V	4182	4153.4	4754	---	PASS
Band V	4233	4153.4	4754	---	PASS

4.2. Test Plots



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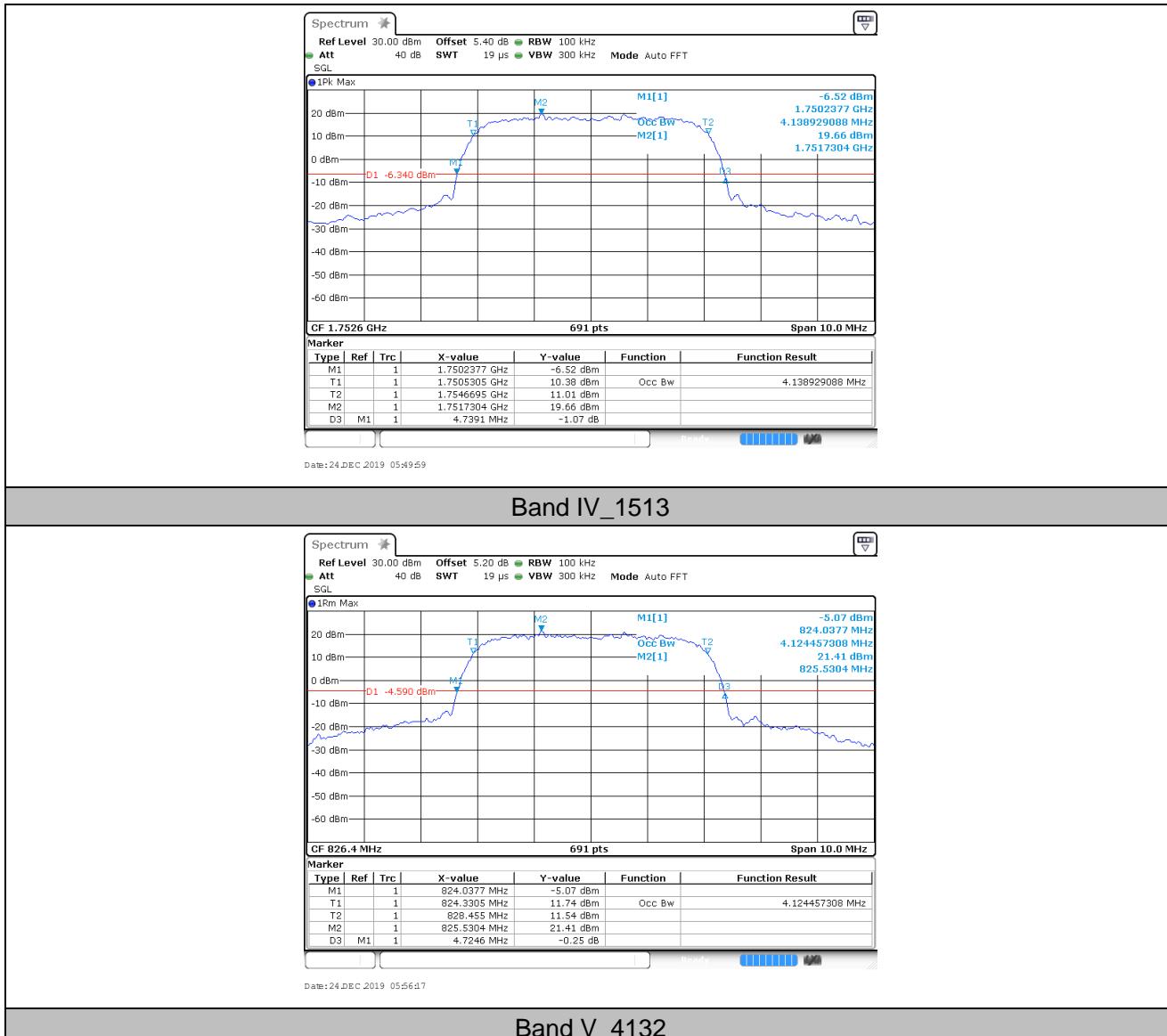


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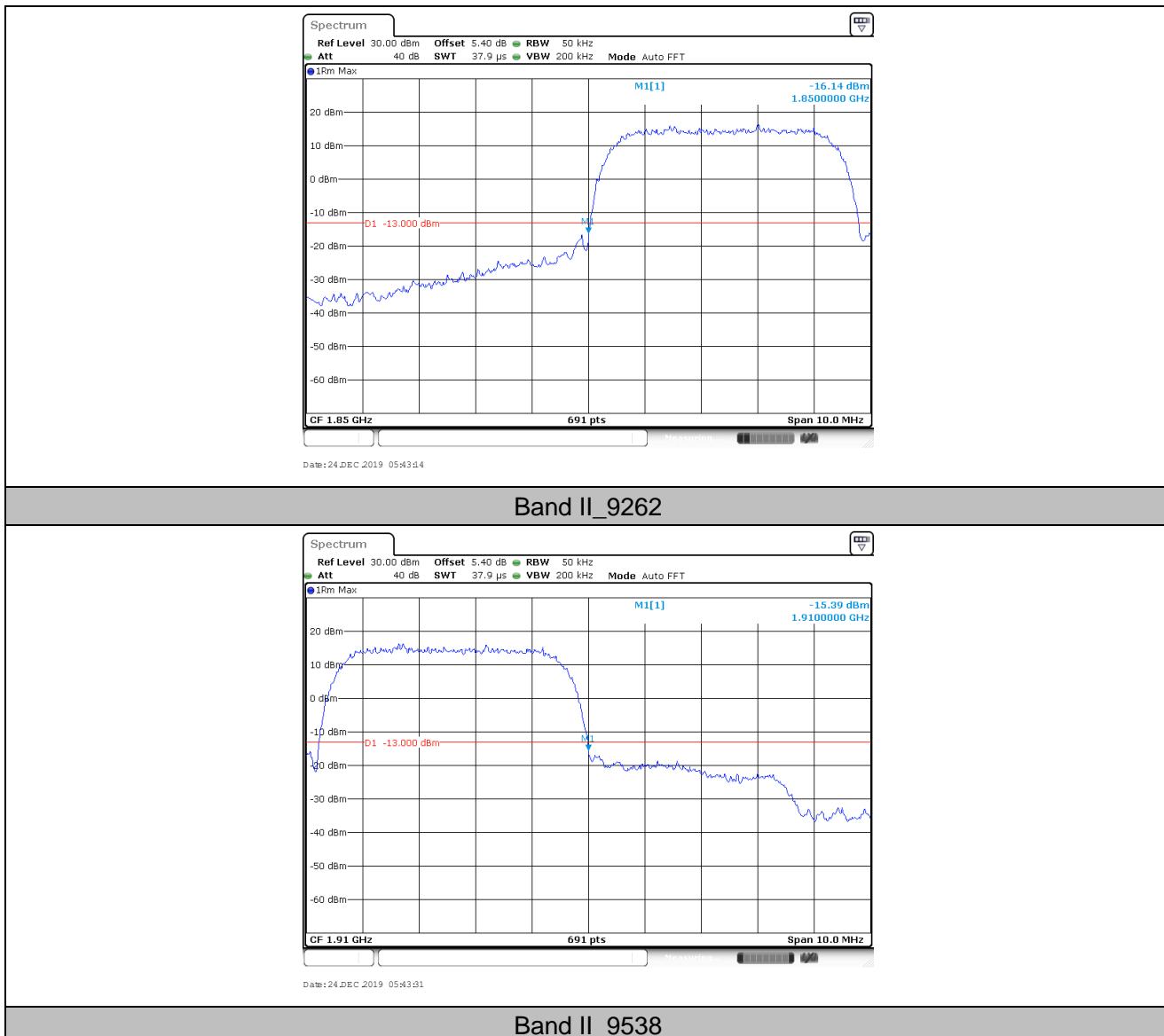
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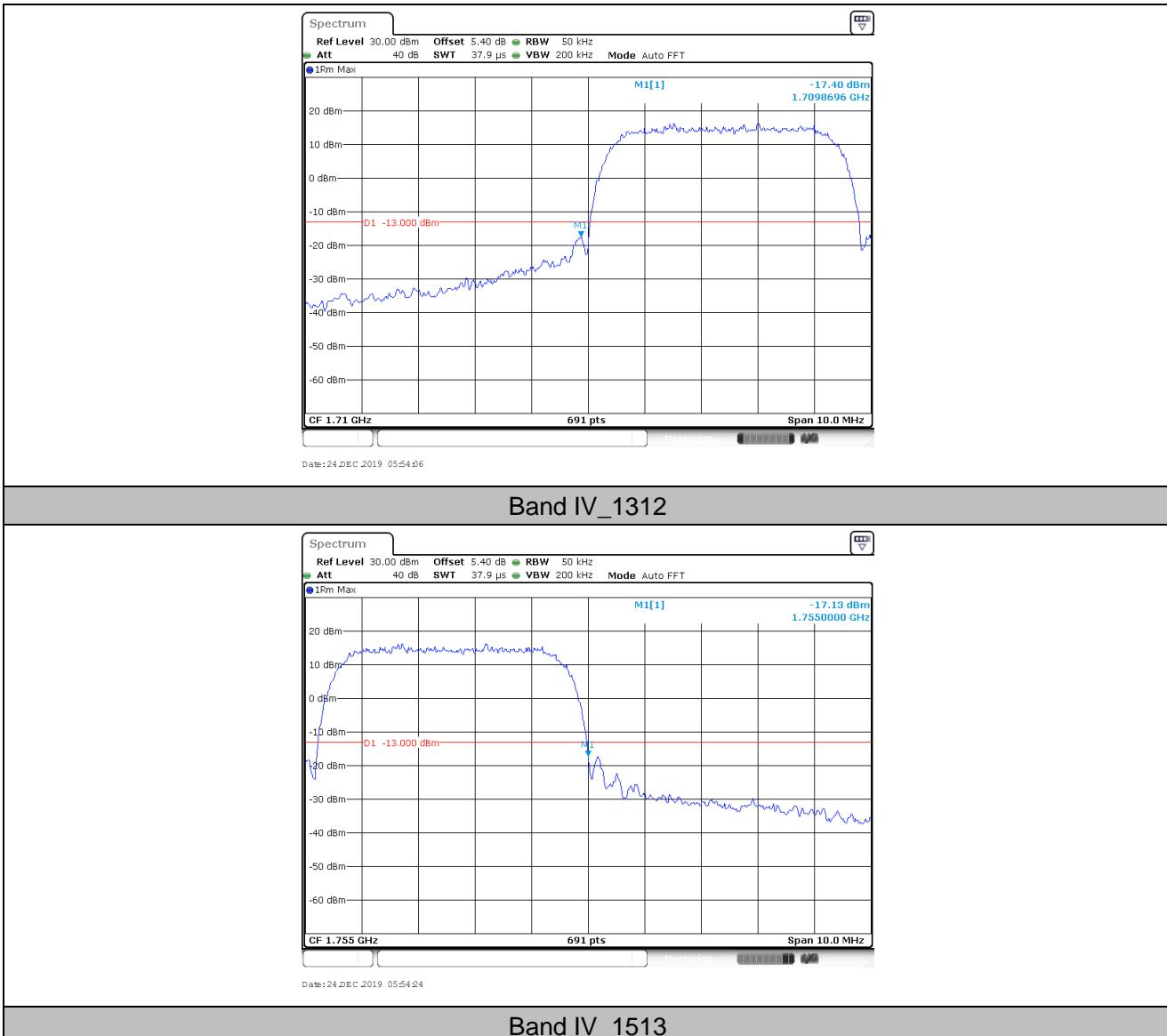
5. Band Edge Compliance

5.1. Test Plots



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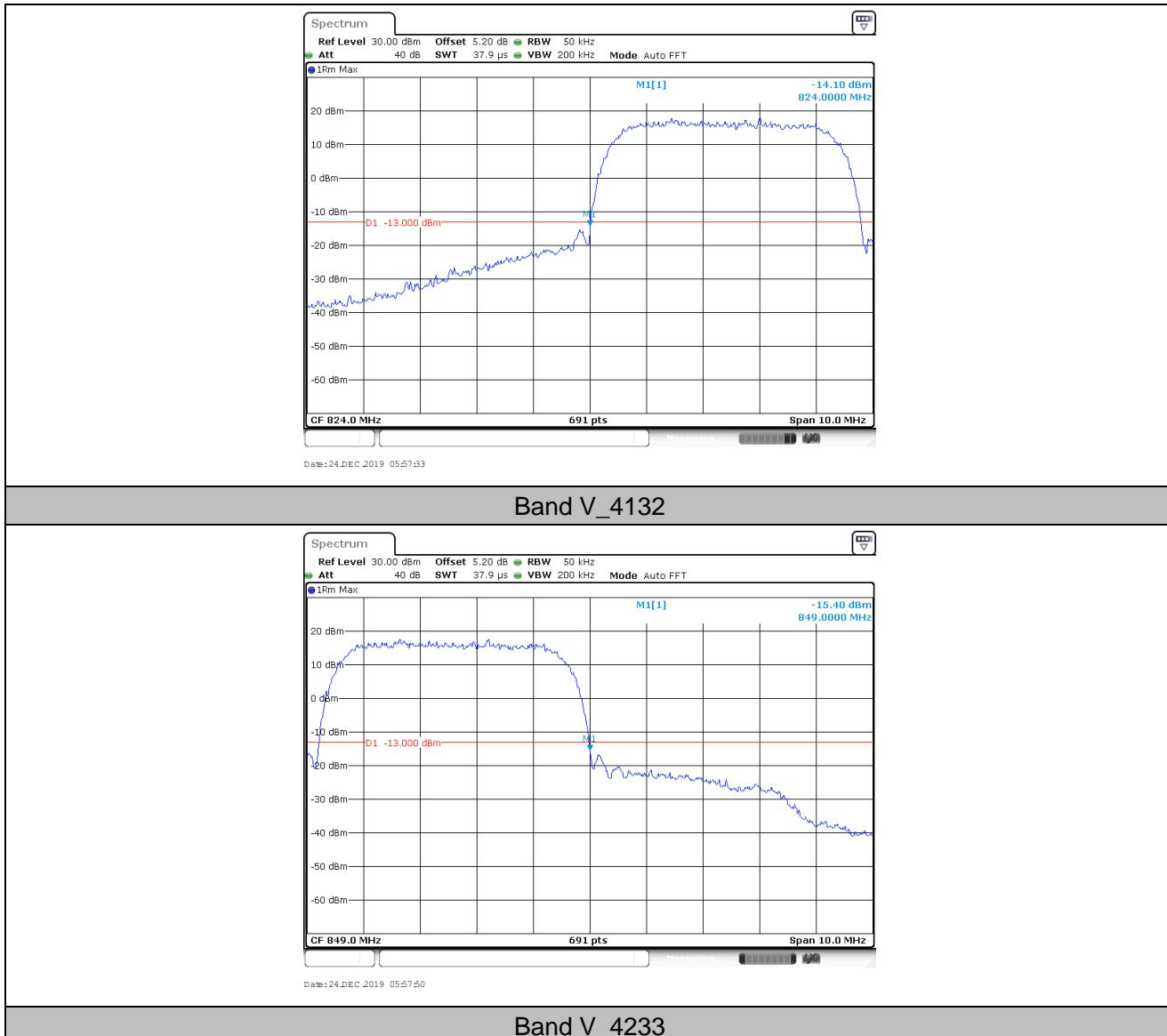
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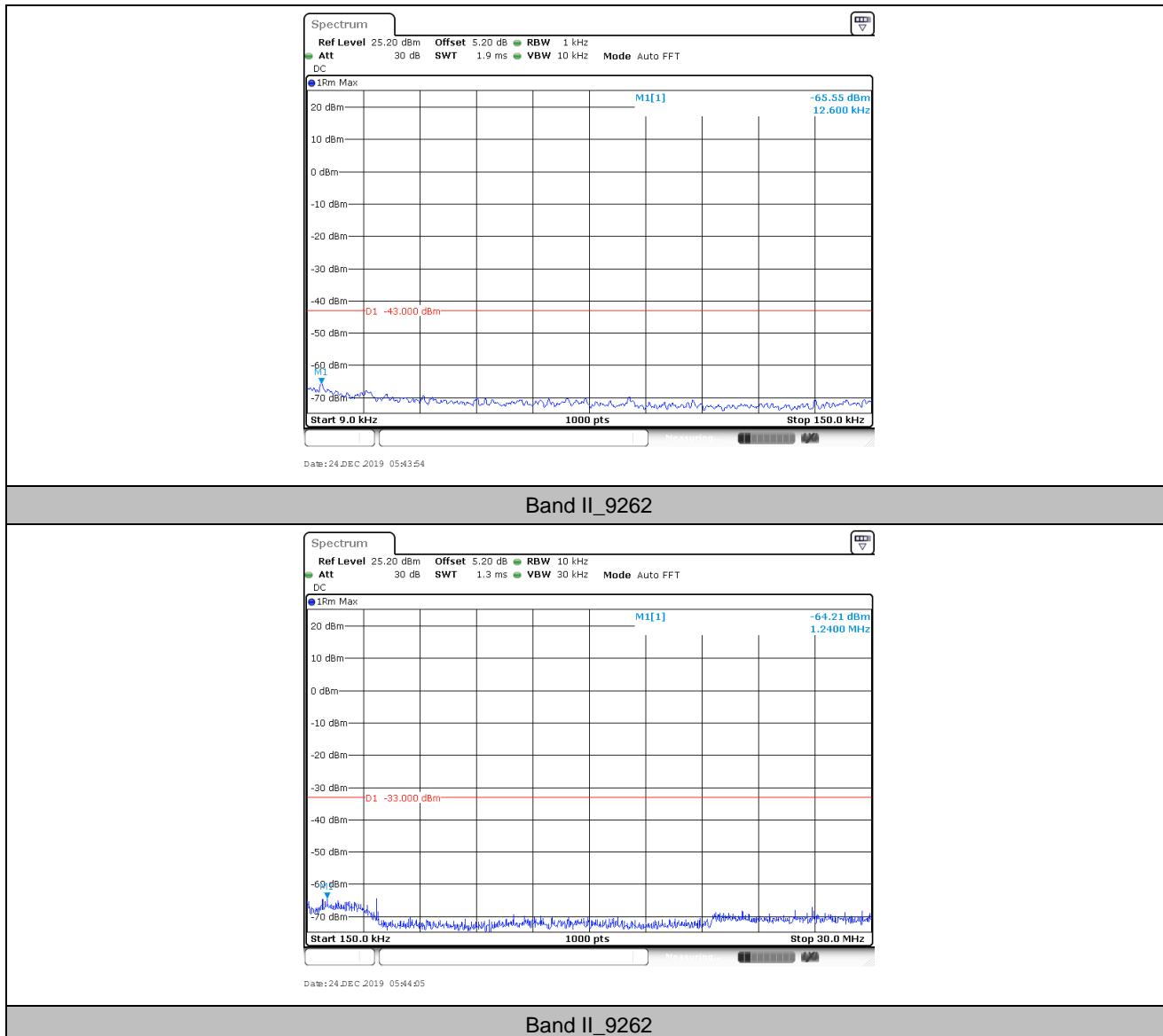
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6. Spurious Emission at Antenna Terminal

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 $< \text{RBW}/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / \text{RBW})$ " 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



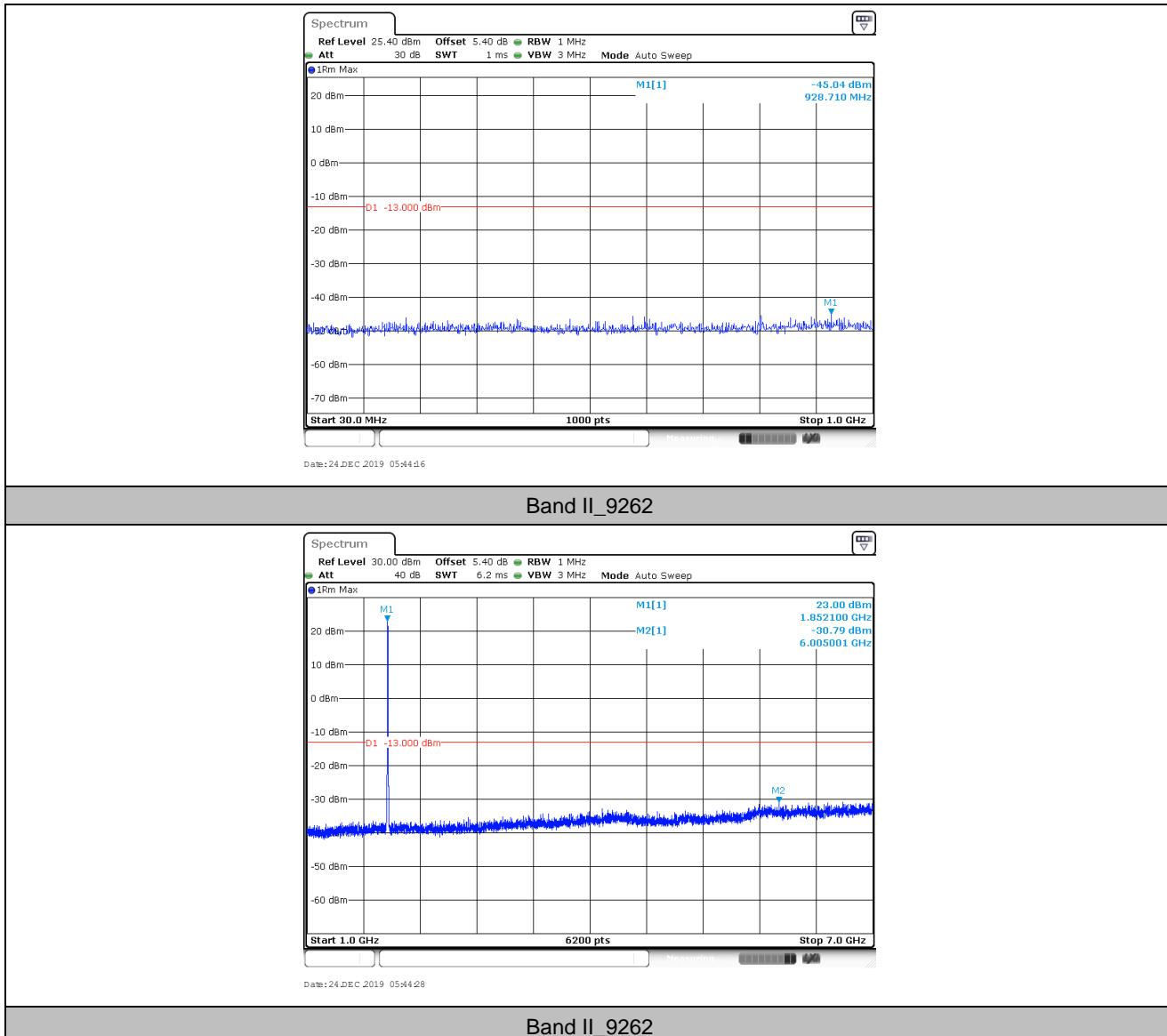
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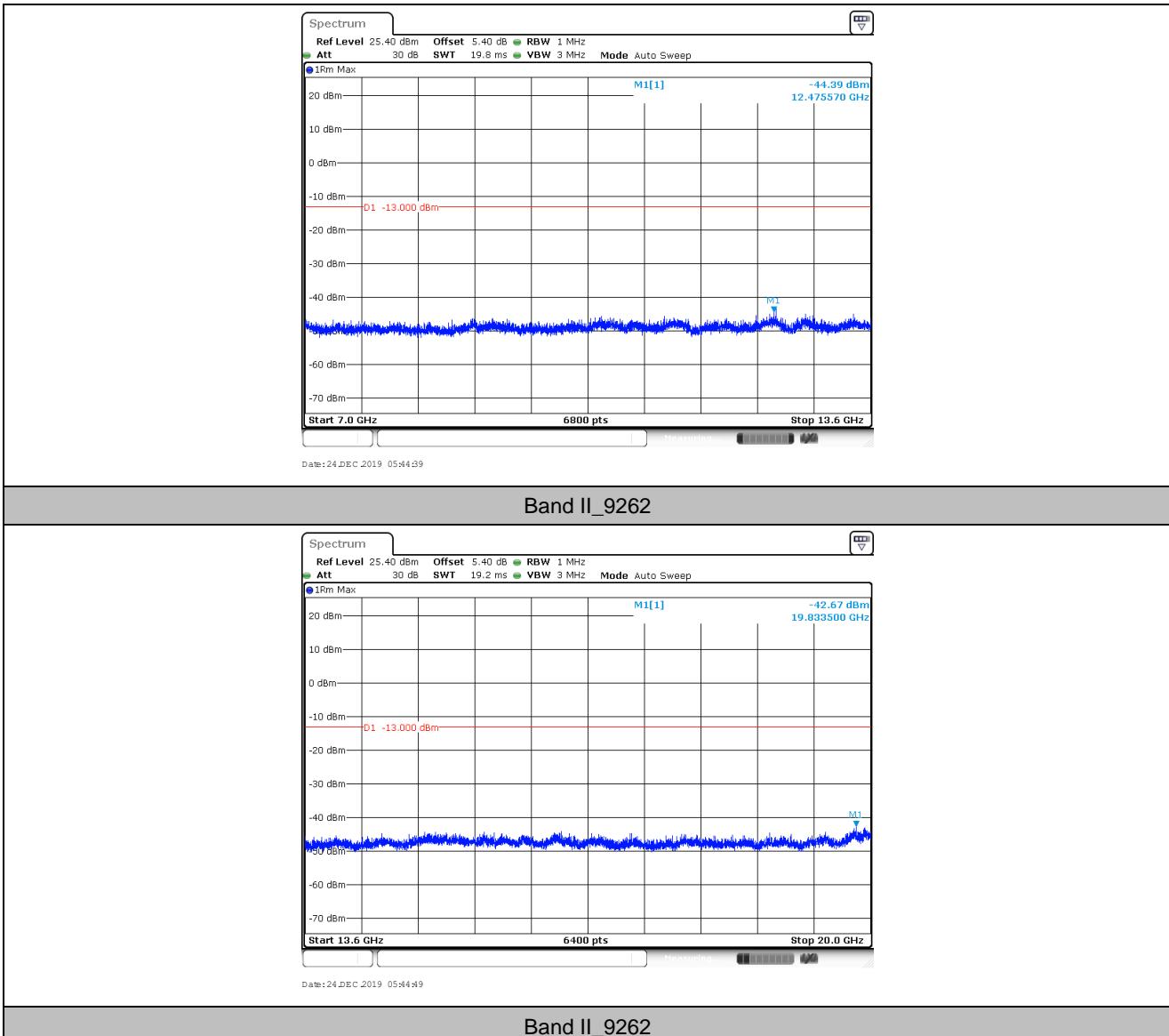
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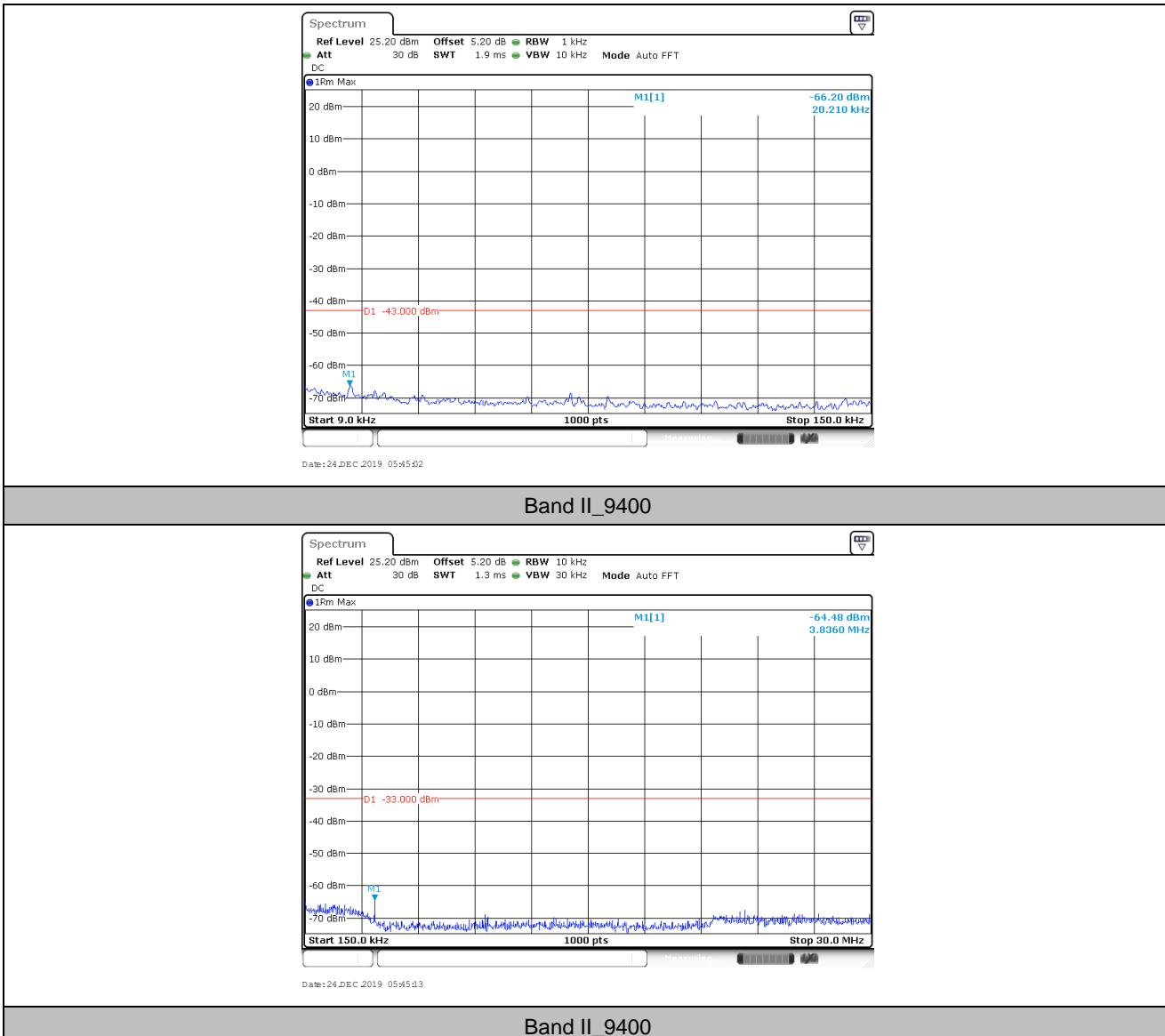


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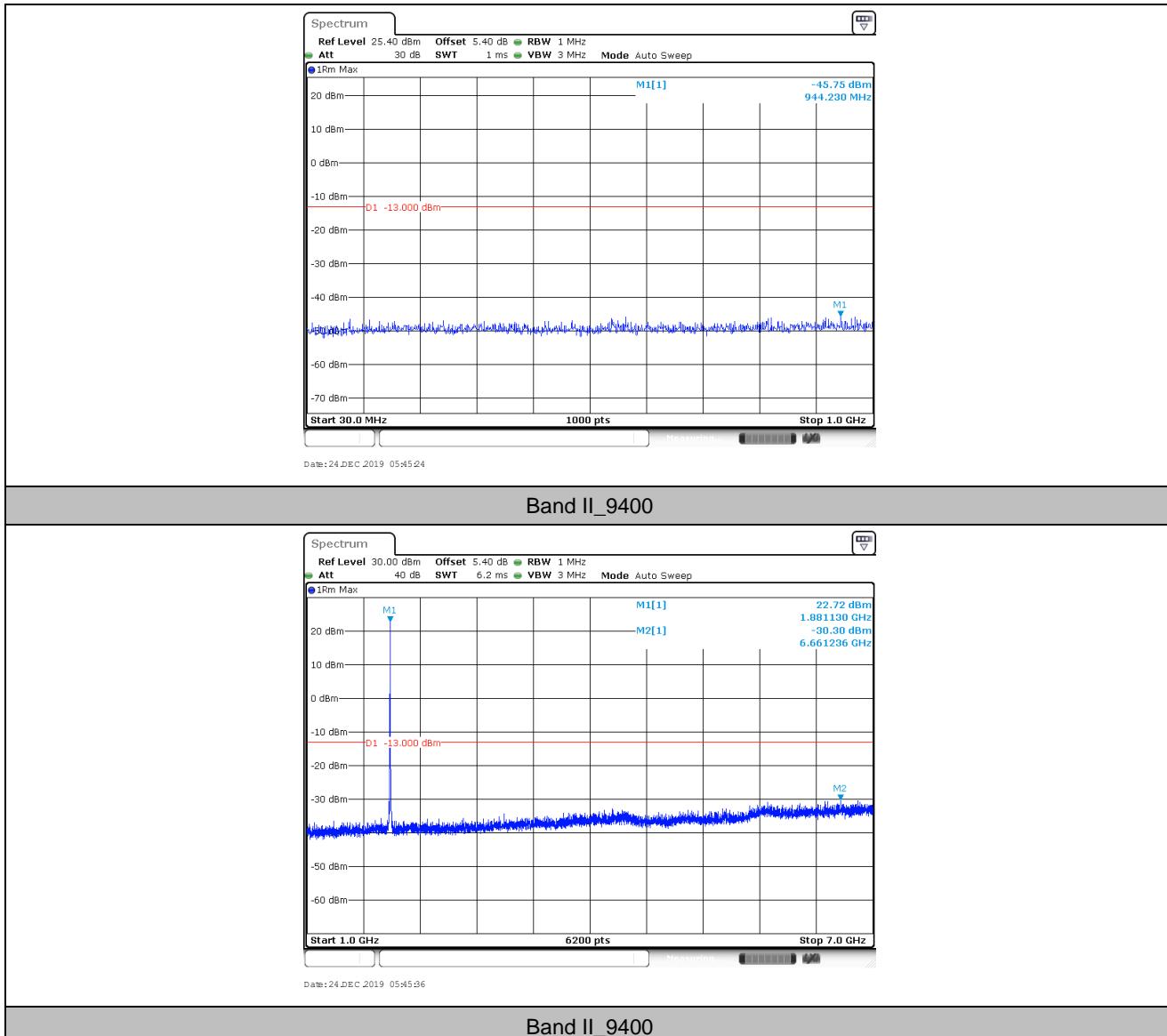
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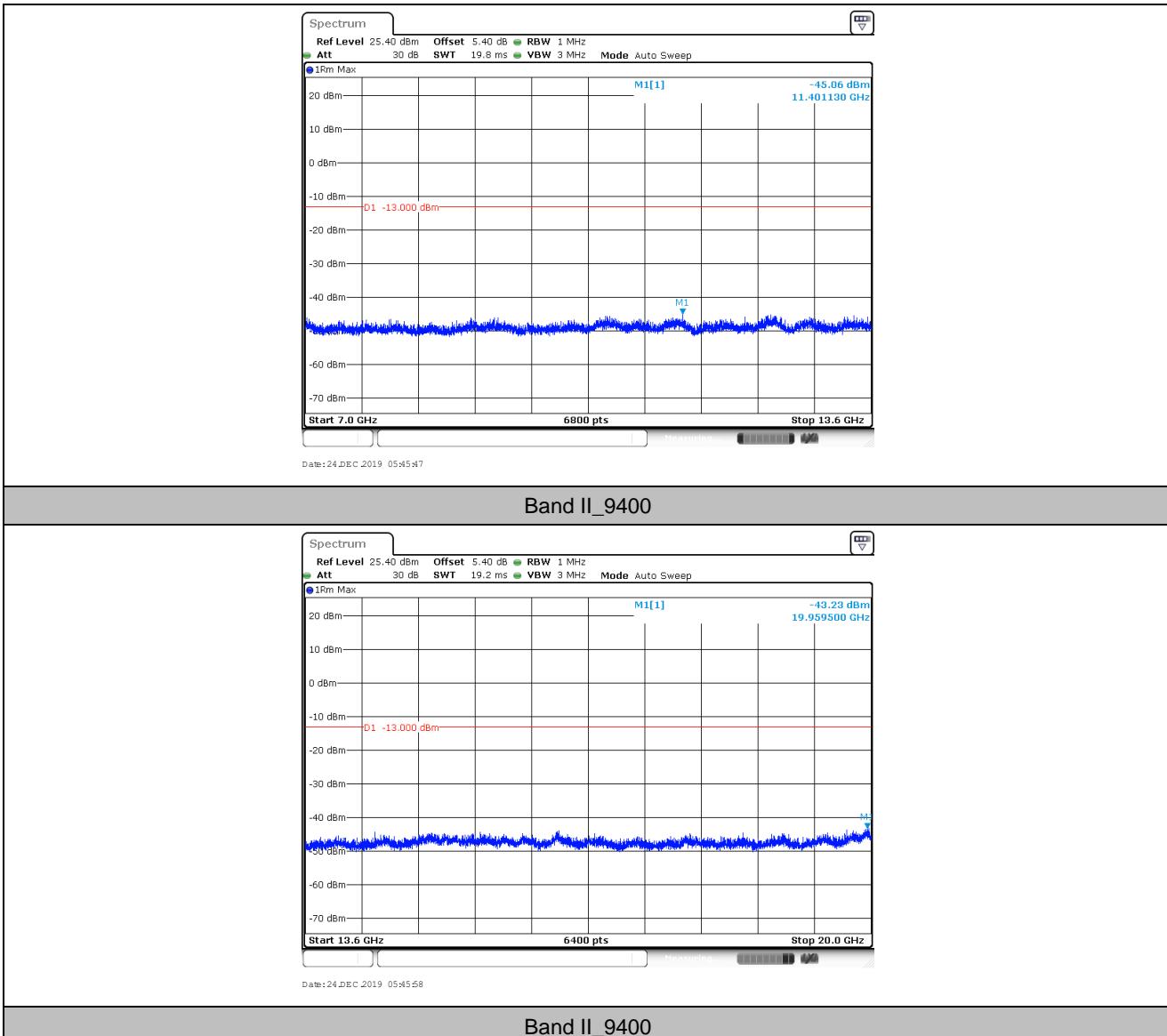
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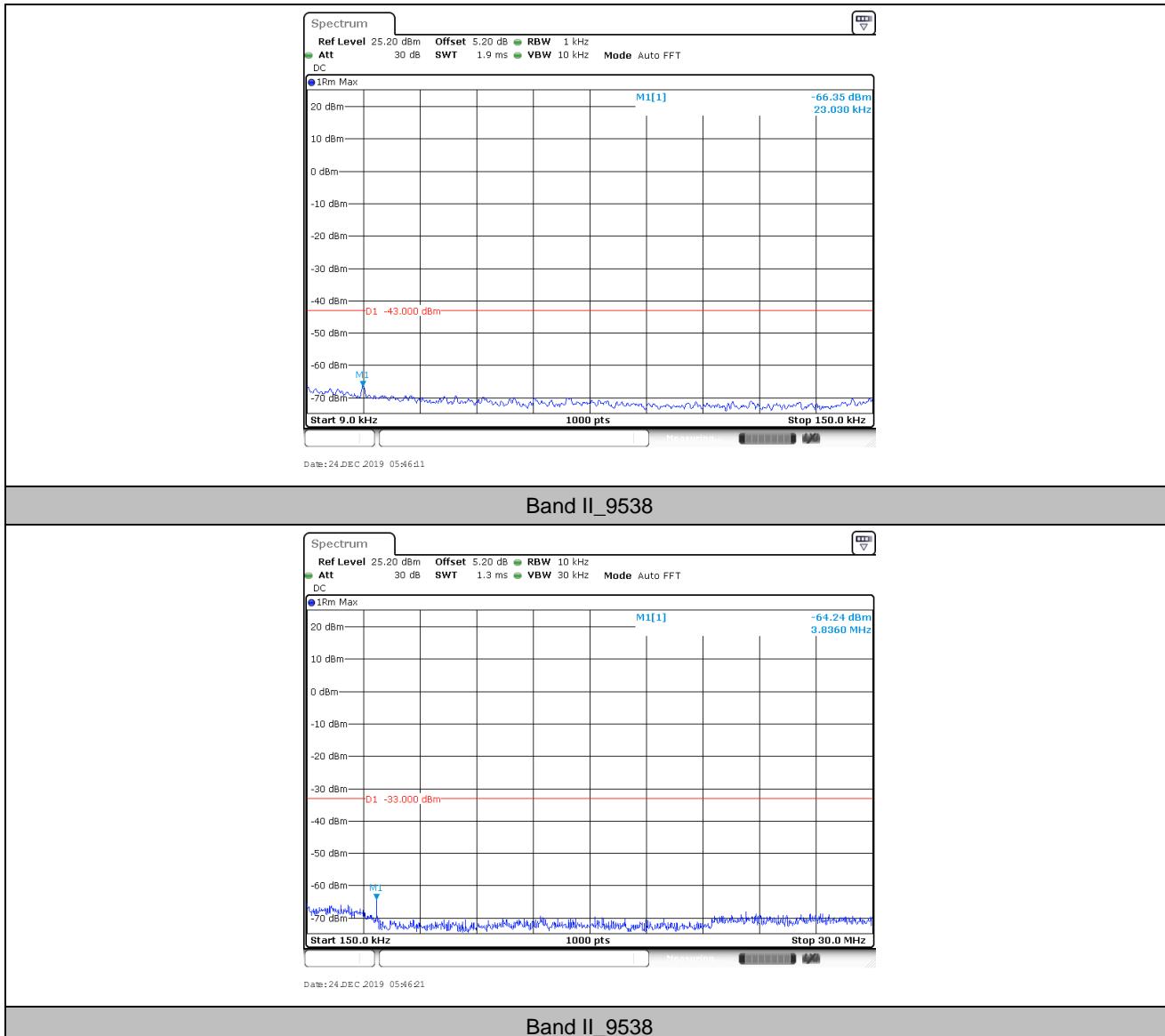


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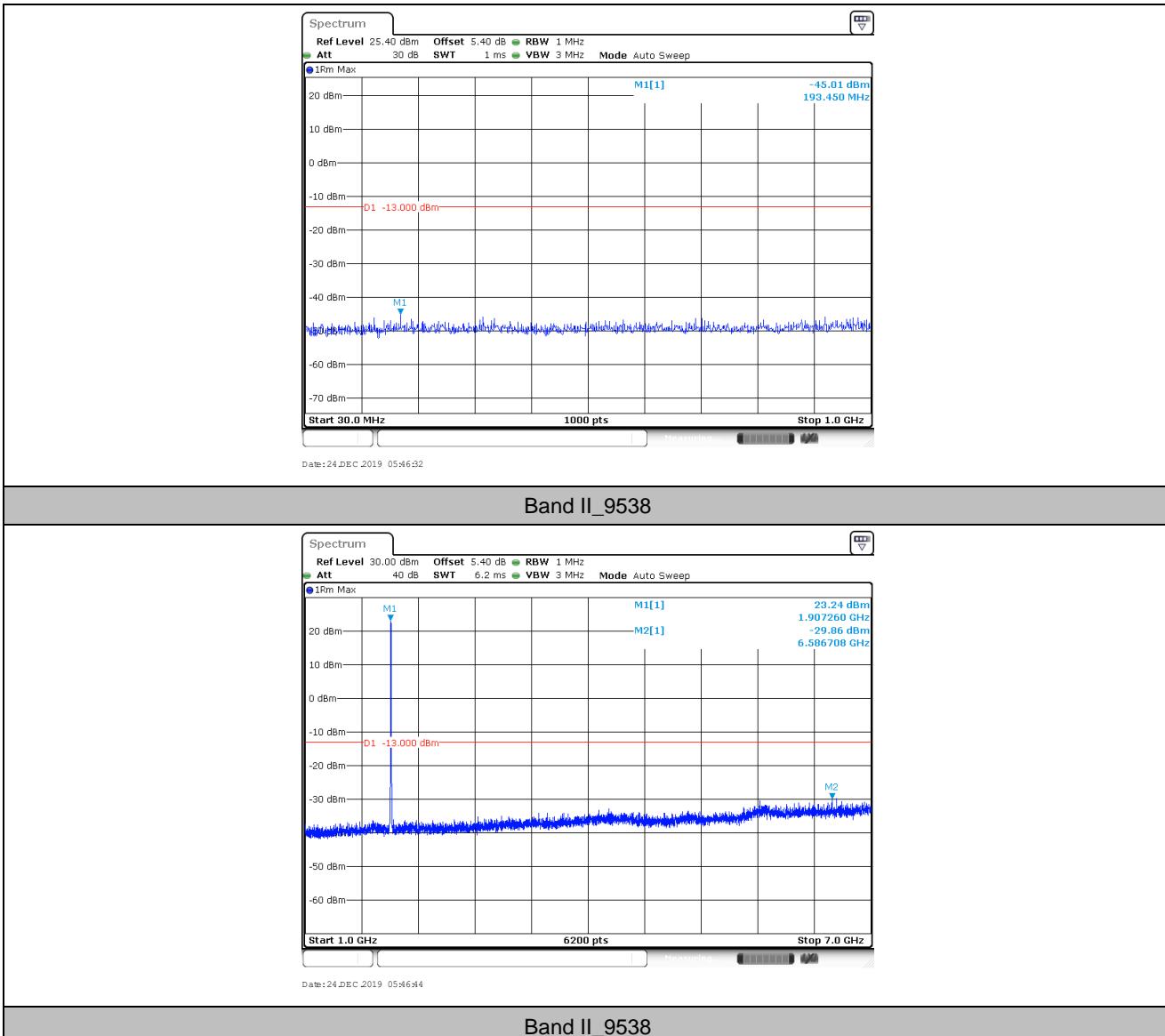


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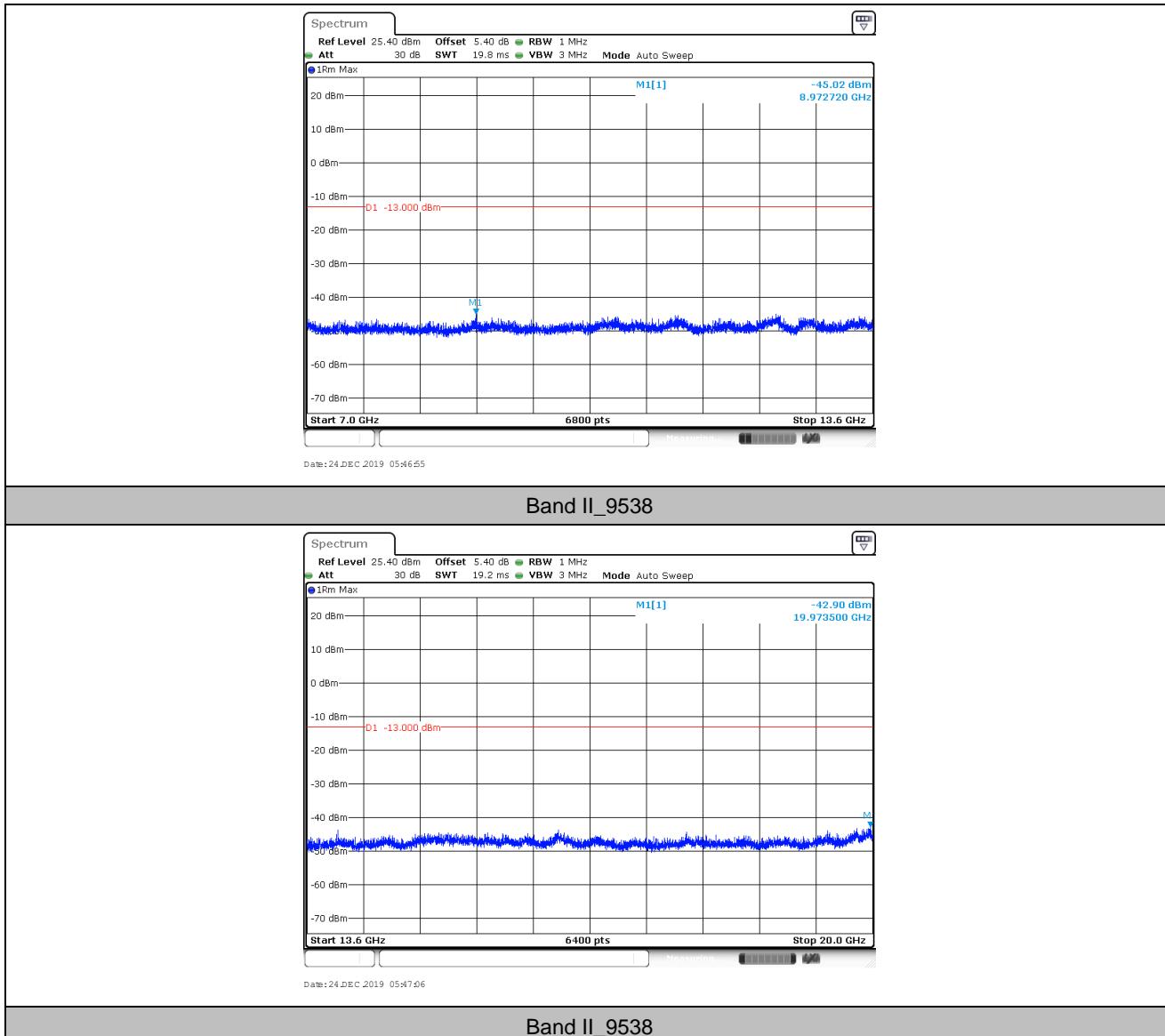
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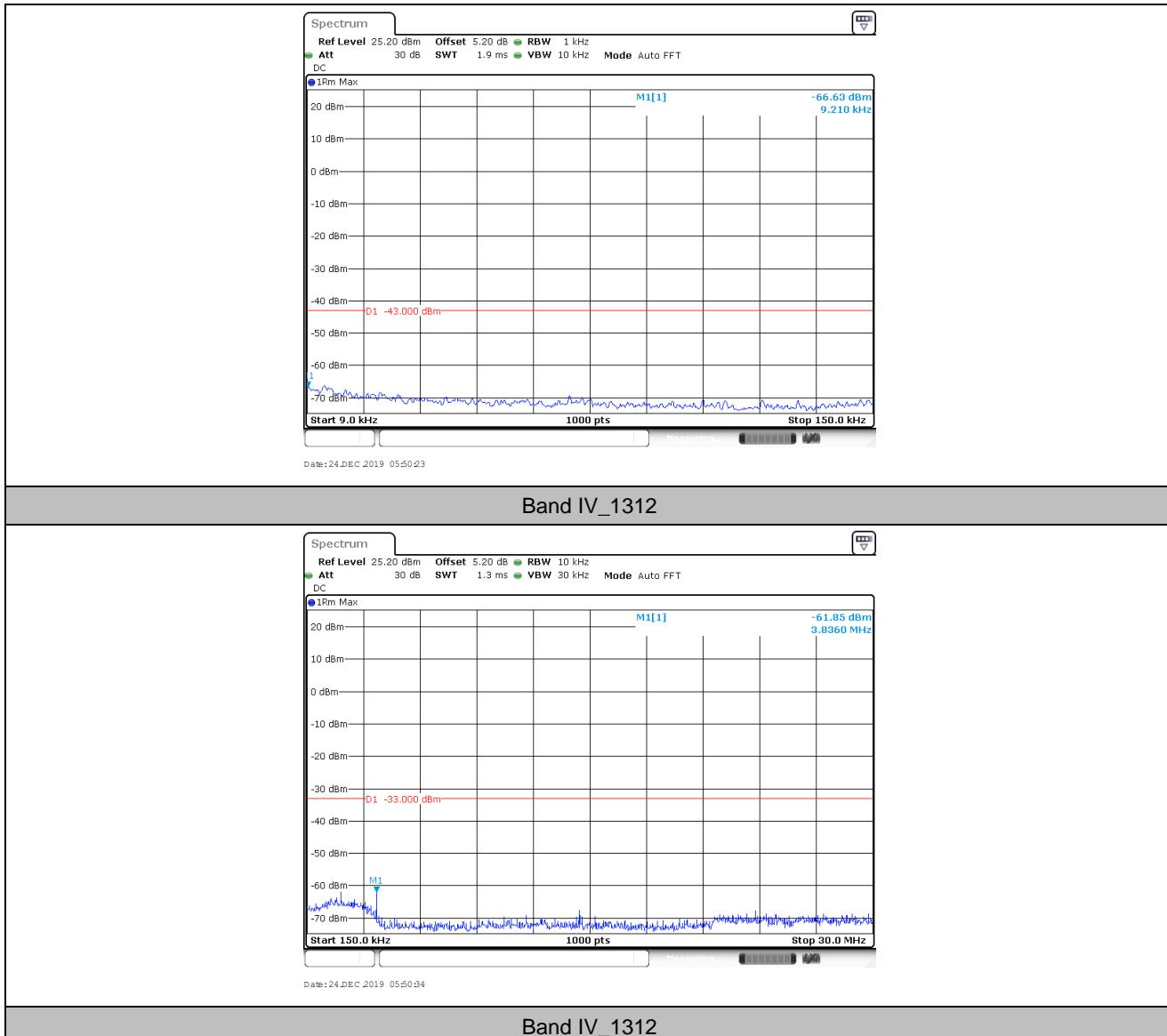
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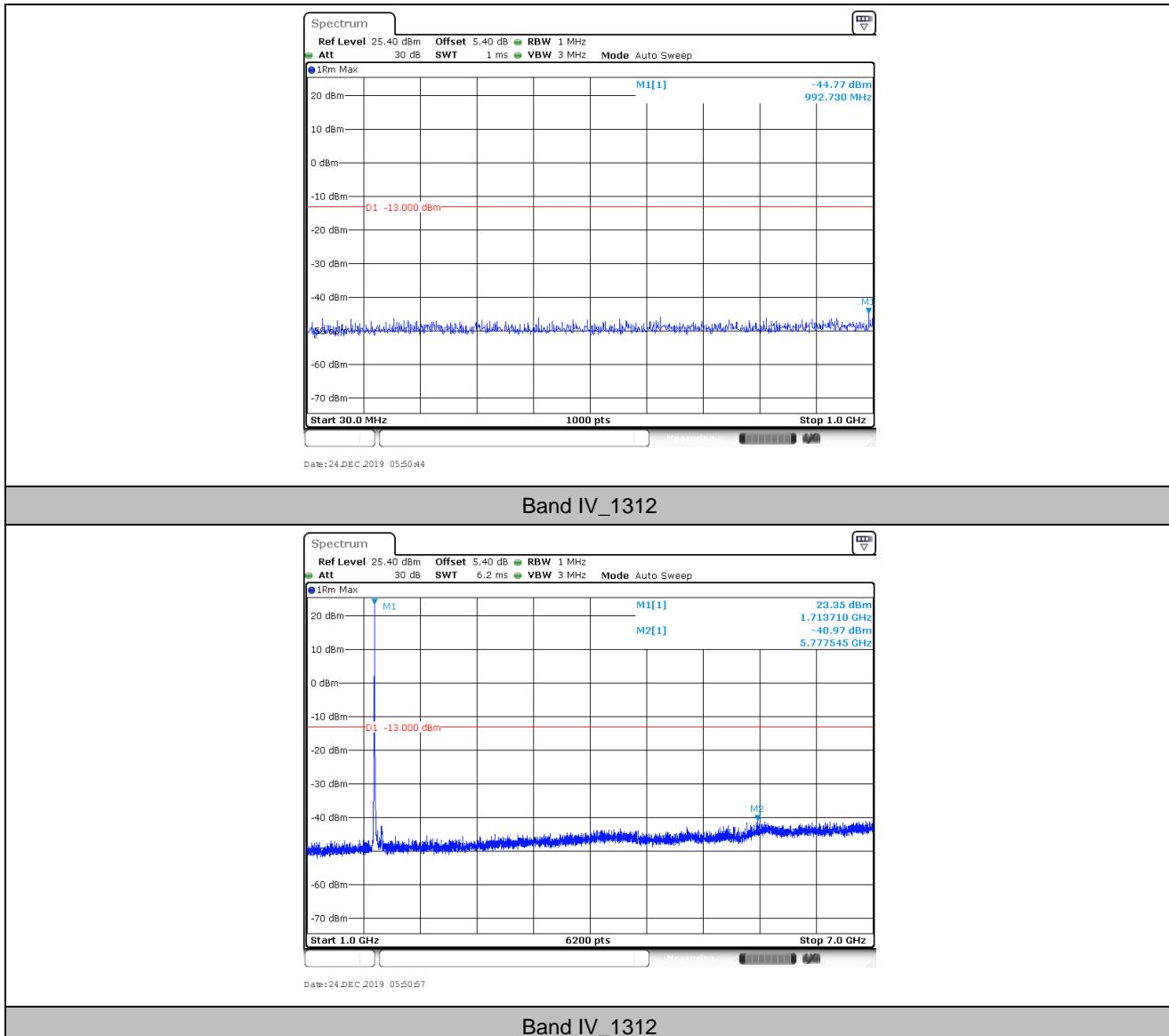


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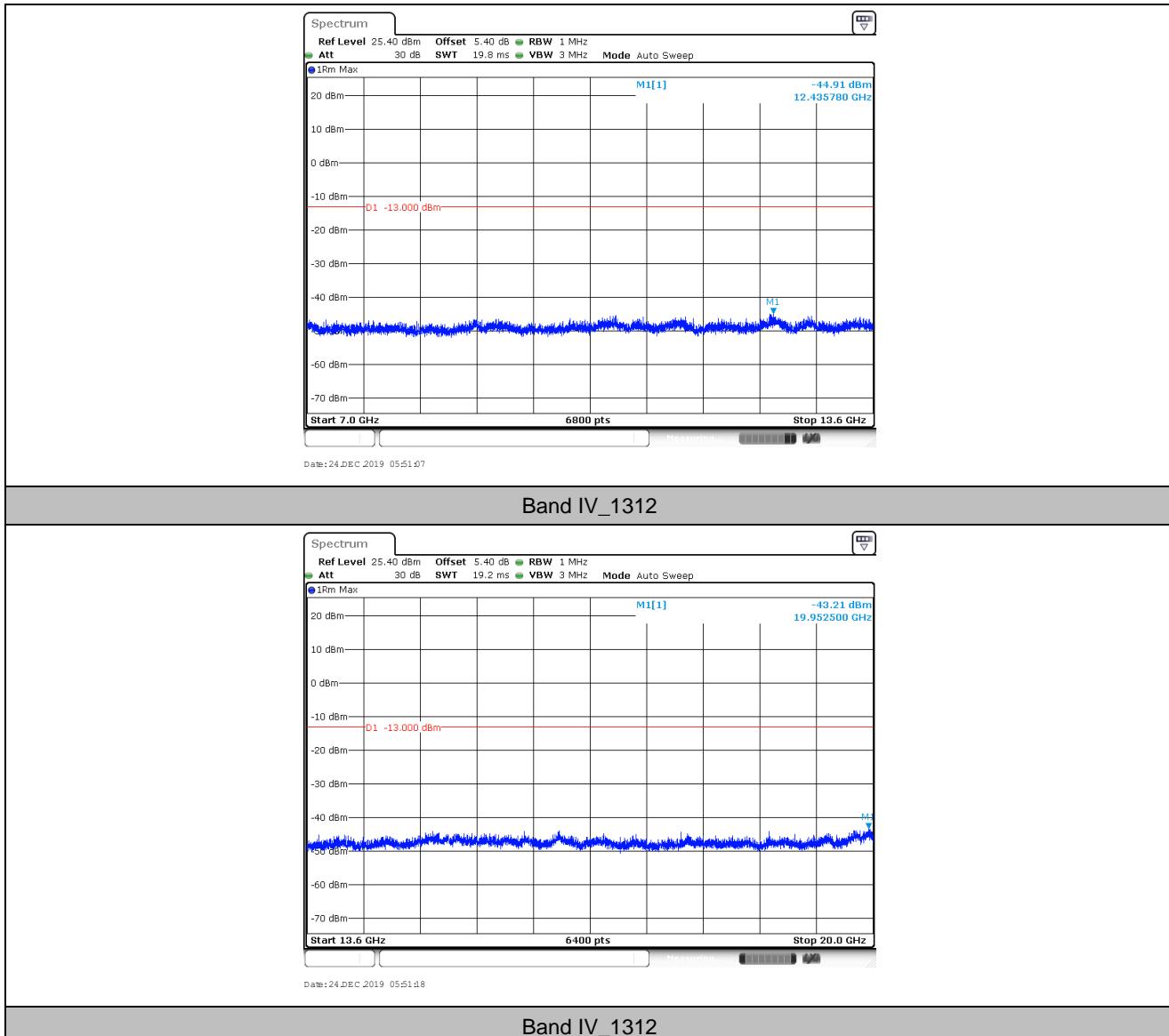
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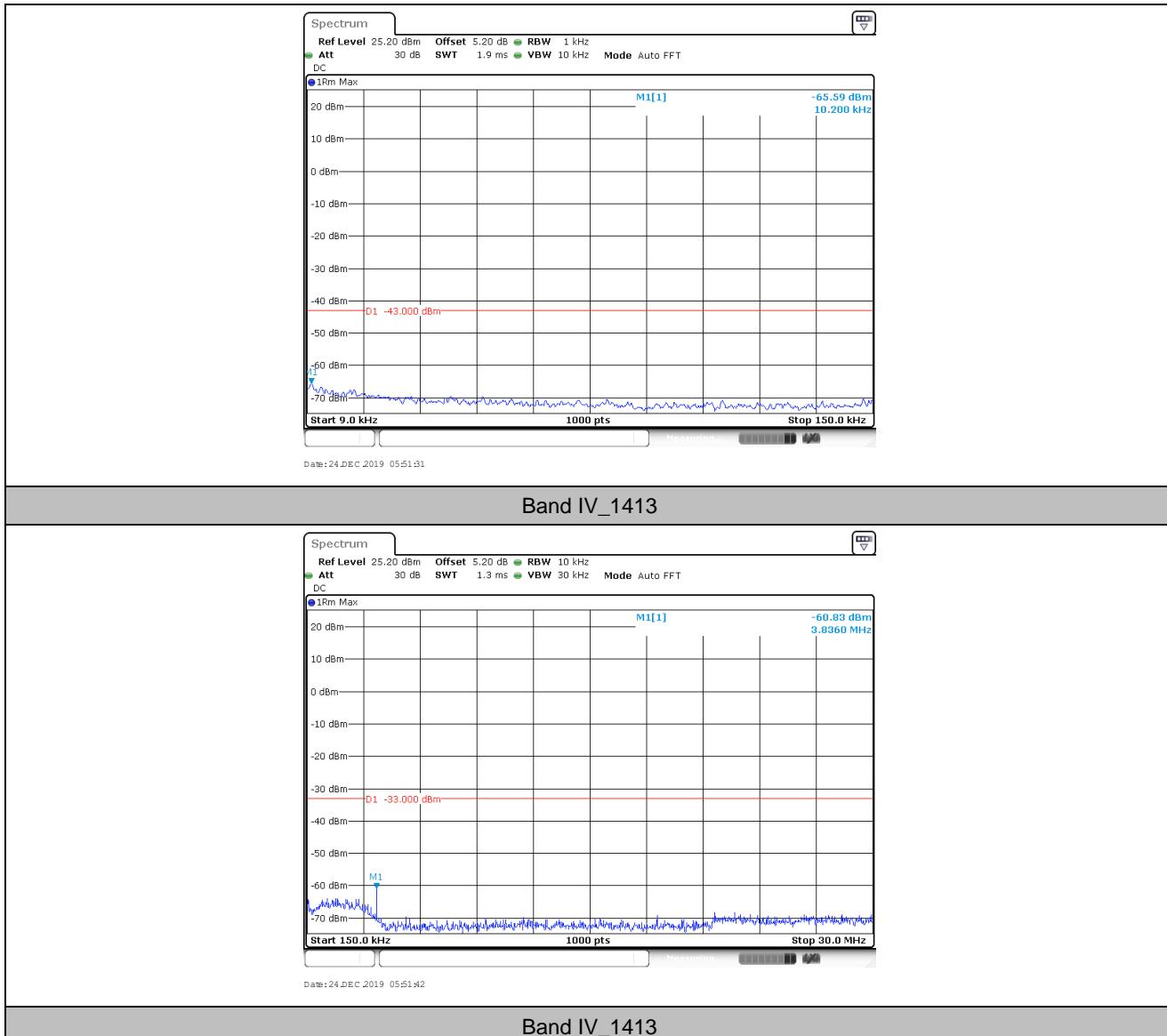
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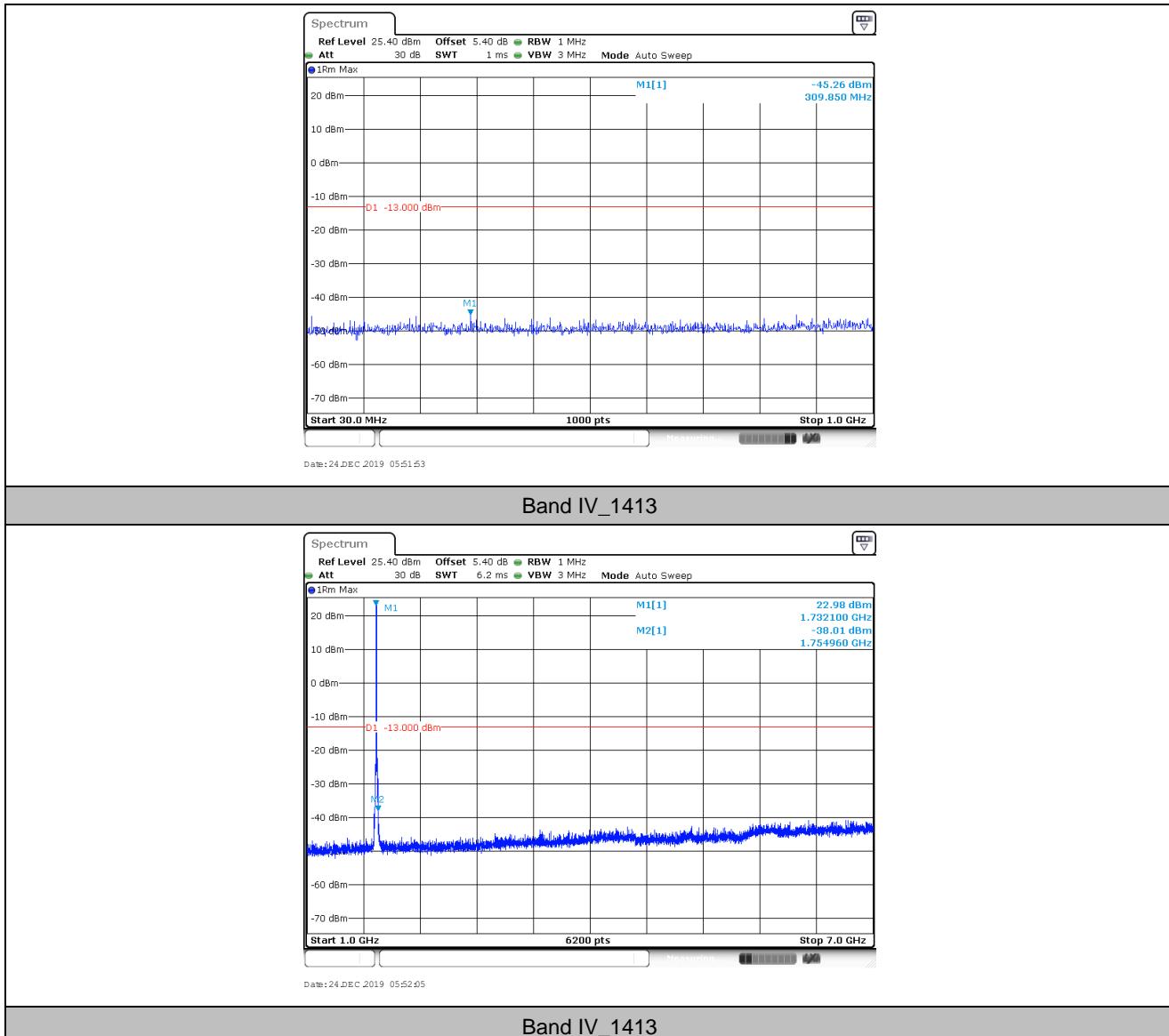


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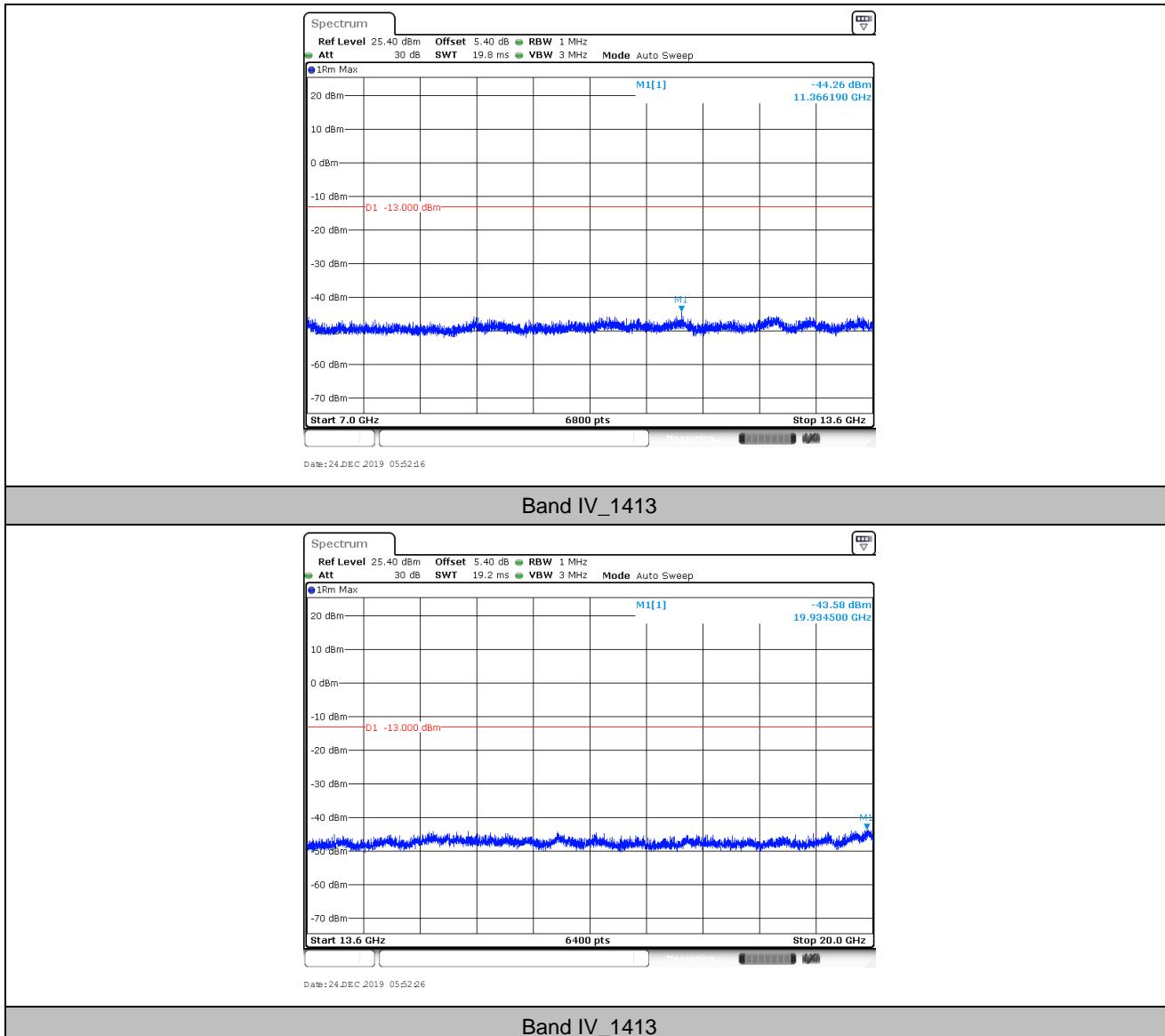
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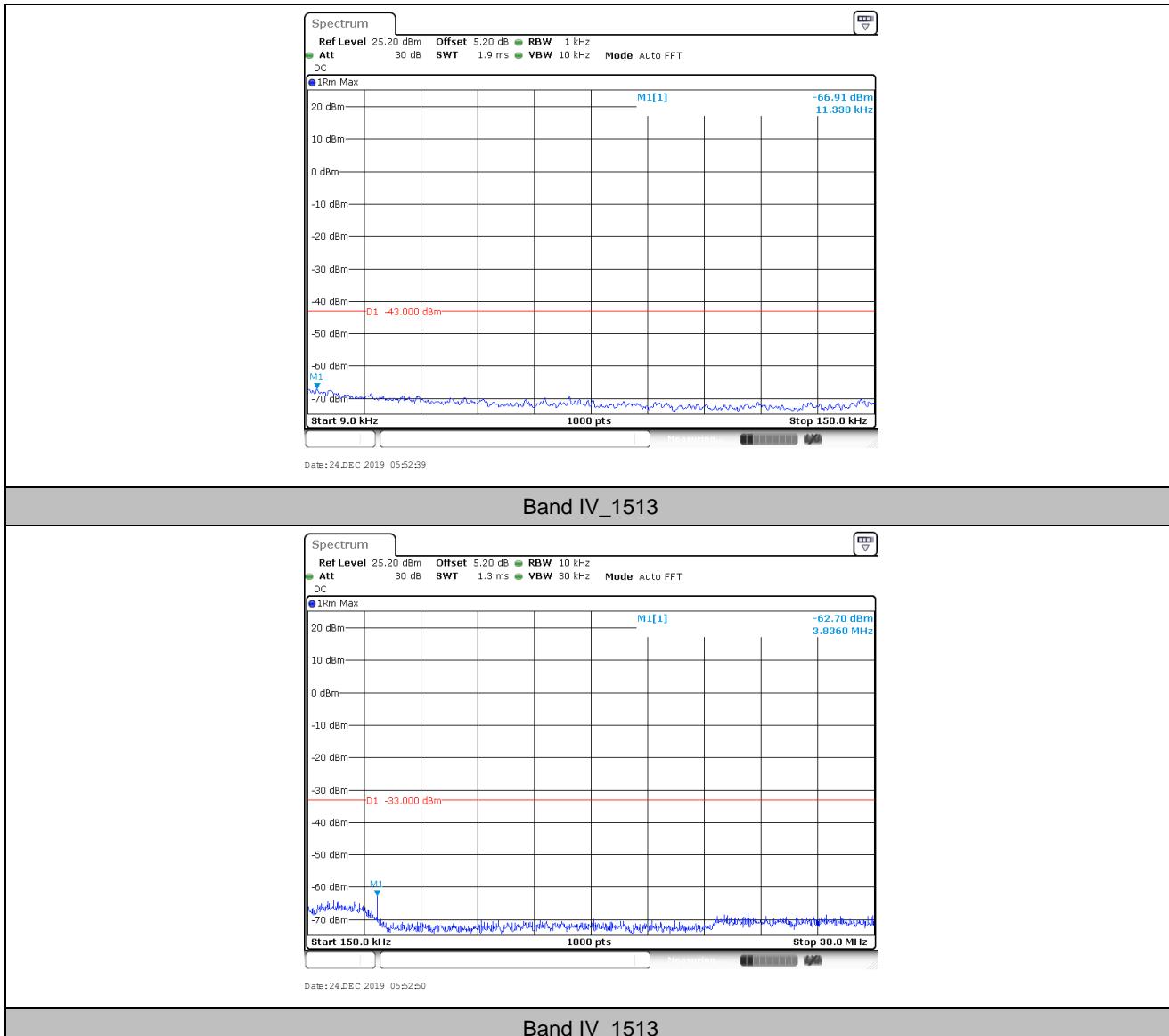


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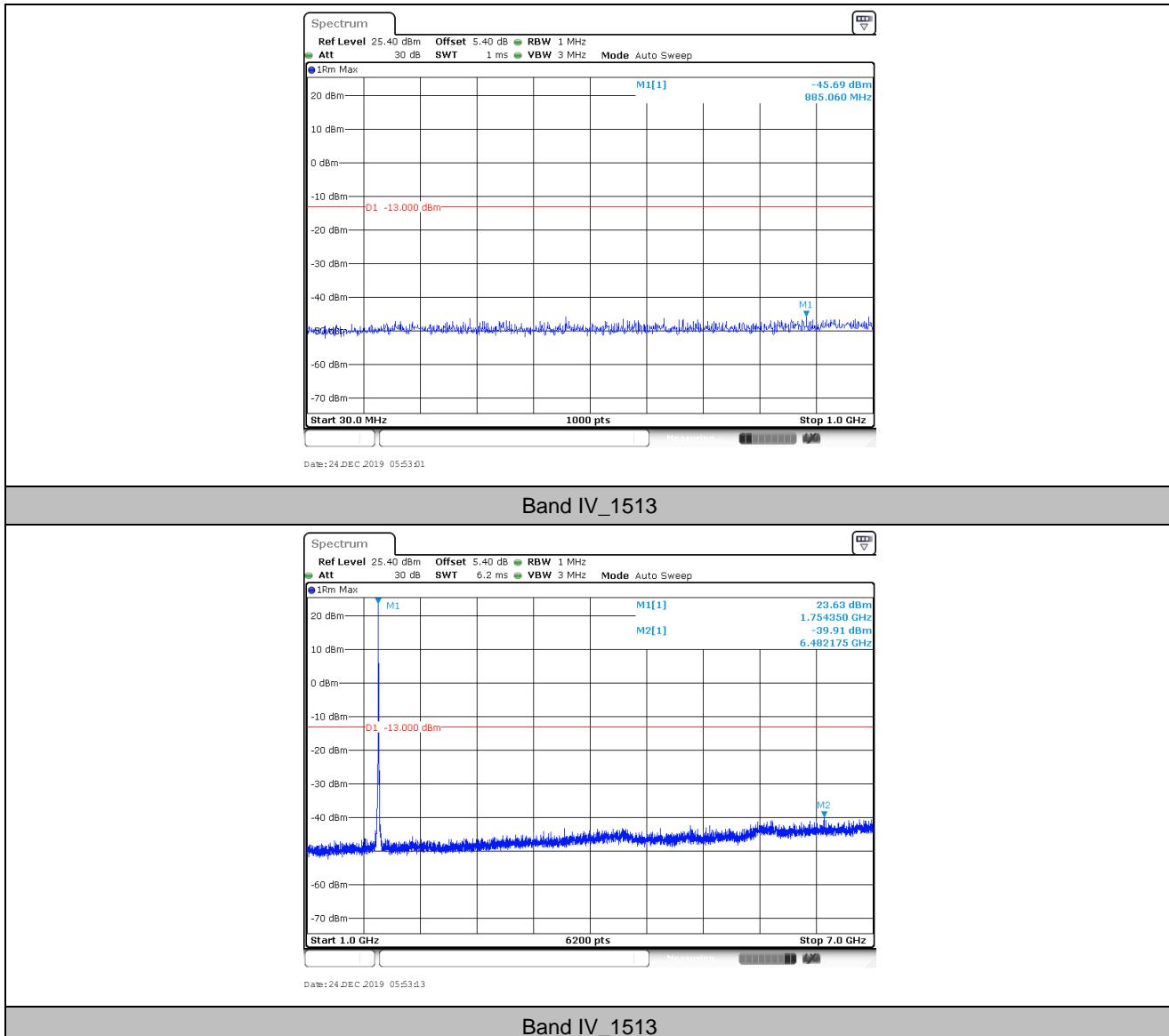
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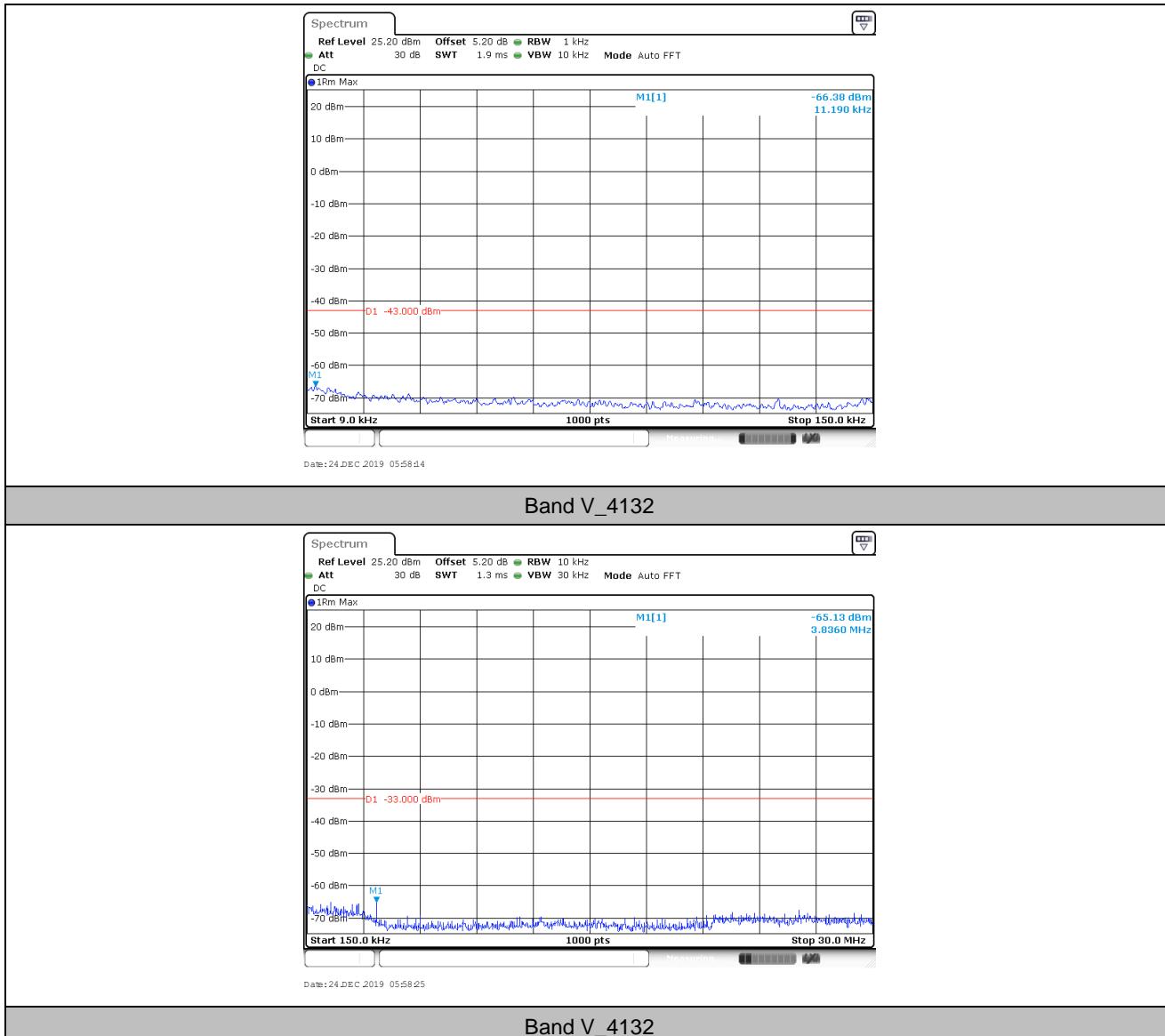
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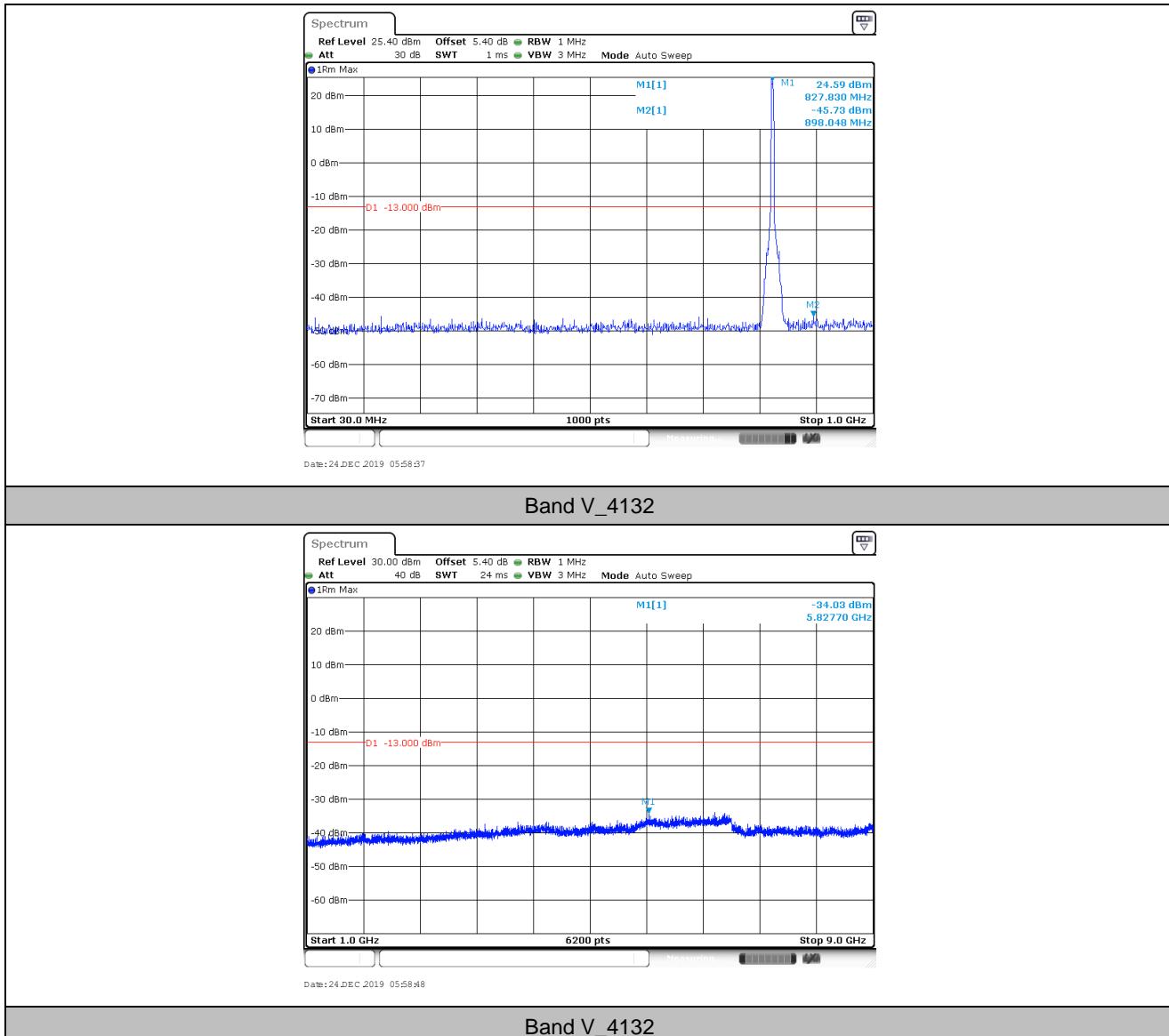


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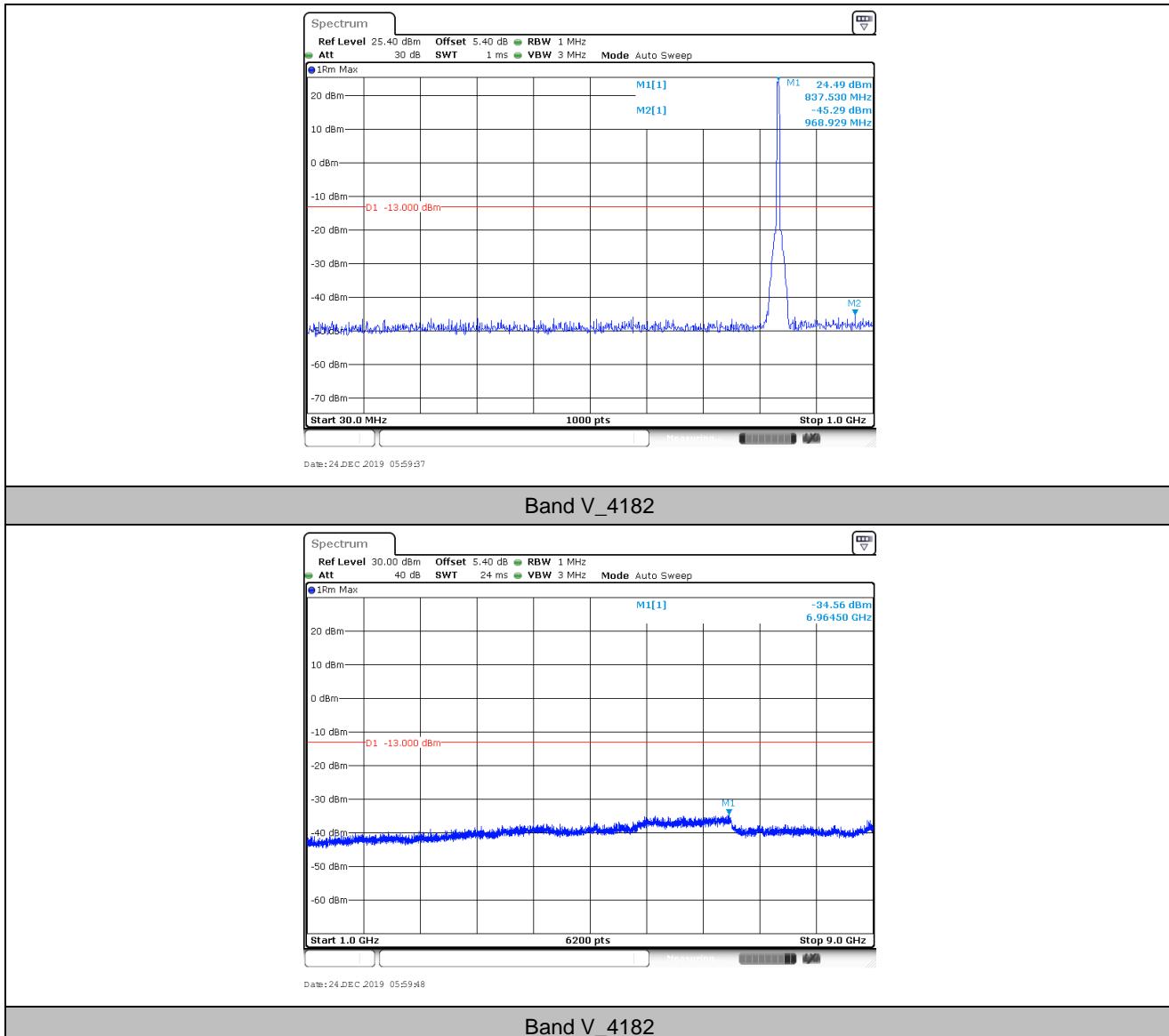
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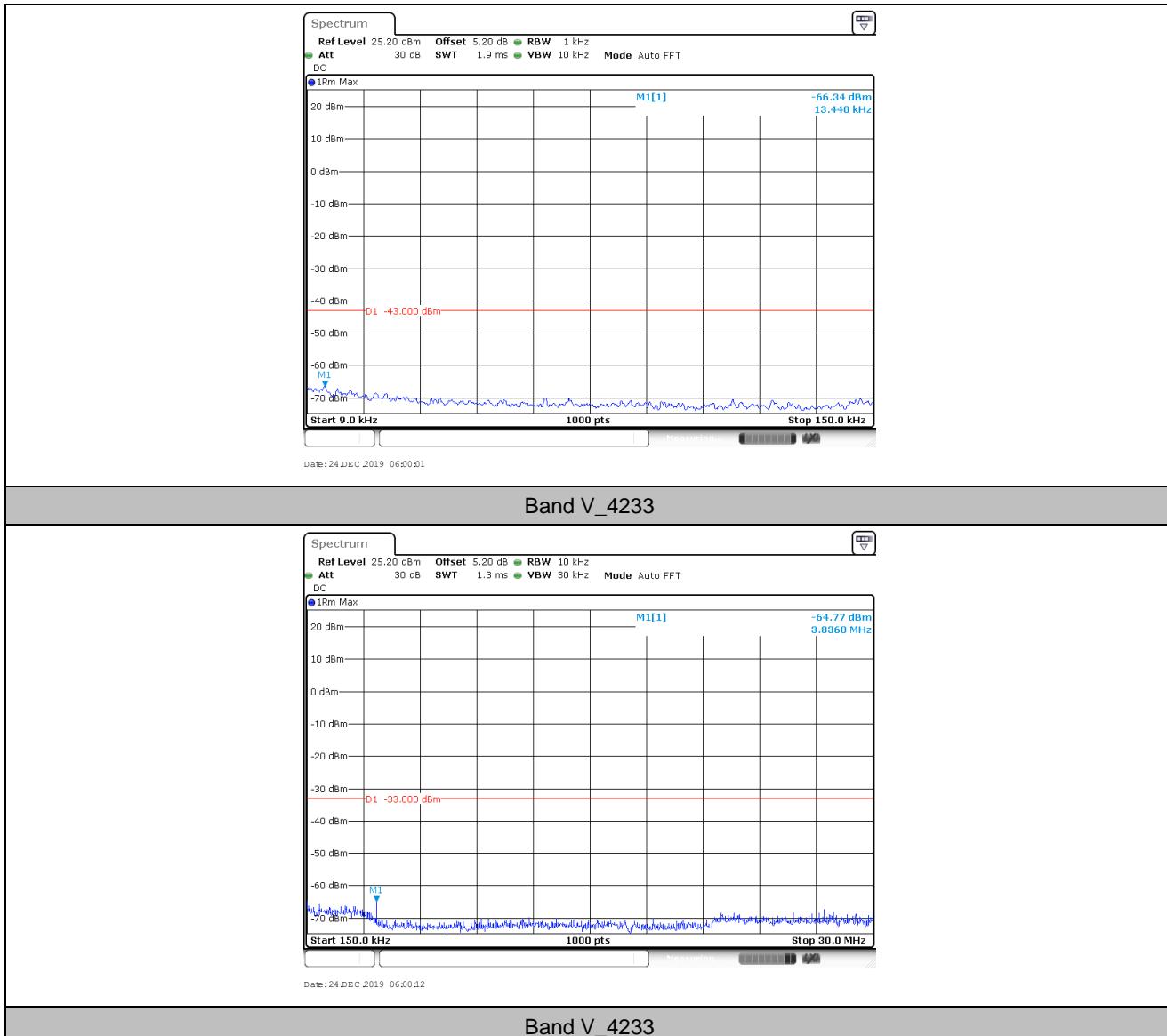
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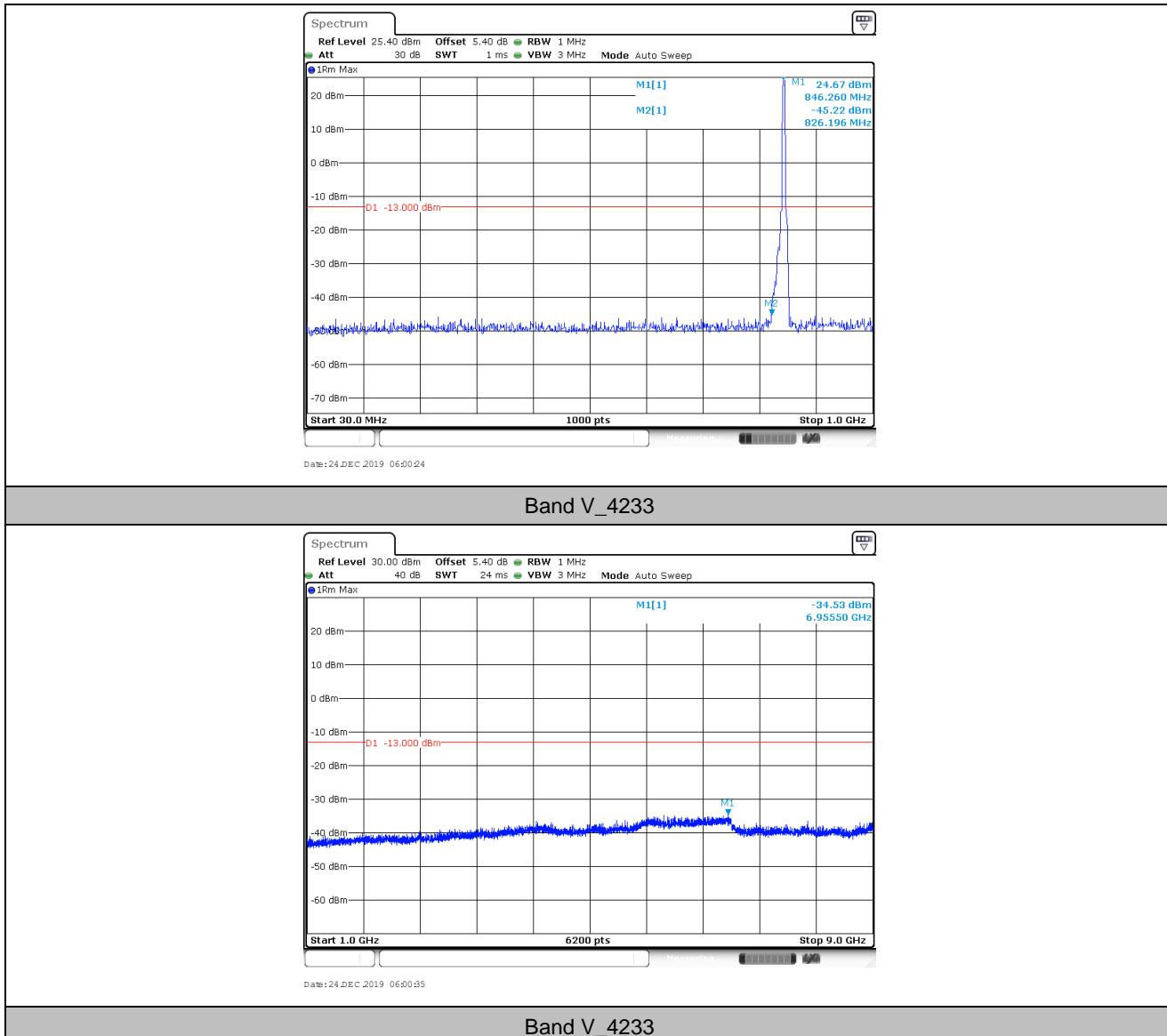
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7. Field Strength of Spurious Radiation

7.1. Test Band = WCDMA Band II

7.1.1. Test Mode =TM1 (Ant2)

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
109.8835	-64.57	-13.00	51.57	174	354	Vertical
626.5313	-62.52	-13.00	49.52	185	226	Vertical
2683.9368	-36.39	-13.00	23.39	196	305	Vertical
7342.6448	-56.45	-13.00	43.45	213	99	Vertical
14518.3839	-48.33	-13.00	35.33	262	131	Vertical
17998.5000	-41.48	-13.00	28.48	291	99	Vertical
44.0657	-63.65	-13.00	50.65	258	322	Horizontal
230.0725	-67.79	-13.00	54.79	296	4	Horizontal
840.3300	-60.87	-13.00	47.87	174	131	Horizontal
2700.3401	-35.24	-13.00	22.24	156	71	Horizontal
7393.6465	-56.88	-13.00	43.88	184	67	Horizontal
16398.9466	-45.22	-13.00	32.22	231	131	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
109.5440	-64.55	-13.00	51.55	166	163	Vertical
597.3329	-63.58	-13.00	50.58	125	4	Vertical
2699.9400	-36.33	-13.00	23.33	139	64	Vertical
7322.1441	-56.24	-13.00	43.24	284	67	Vertical
14478.8826	-47.98	-13.00	34.98	266	130	Vertical
17997.9999	-40.41	-13.00	27.41	284	266	Vertical
42.9501	-62.90	-13.00	49.90	258	67	Horizontal
237.2994	-67.74	-13.00	54.74	274	4	Horizontal
883.9822	-59.75	-13.00	46.75	196	67	Horizontal
2701.9404	-35.09	-13.00	22.09	321	19	Horizontal

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9305.2102	-52.53	-13.00	39.53	262	99	Horizontal
16397.4466	-44.48	-13.00	31.48	291	357	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
111.6781	-64.88	-13.00	51.88	132	131	Vertical
593.3072	-63.18	-13.00	50.18	252	131	Vertical
2704.3409	-36.42	-13.00	23.42	269	222	Vertical
7377.1459	-56.02	-13.00	43.02	184	131	Vertical
14481.3827	-47.98	-13.00	34.98	157	259	Vertical
17993.9998	-40.43	-13.00	27.43	196	290	Vertical
40.4280	-64.02	-13.00	51.02	188	4	Horizontal
247.5334	-68.23	-13.00	55.23	199	226	Horizontal
883.3517	-59.83	-13.00	46.83	321	354	Horizontal
2698.7397	-35.28	-13.00	22.28	252	356	Horizontal
9321.2107	-52.42	-13.00	39.42	283	226	Horizontal
16374.4458	-44.32	-13.00	31.32	161	131	Horizontal

7.1.2. Test Mode =TM1 (Ant3)

7.1.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
107.2644	-64.17	-13.00	51.17	188	10	Vertical
748.1754	-61.53	-13.00	48.53	166	199	Vertical
2683.9368	-36.45	-13.00	23.45	245	160	Vertical
7468.6490	-54.85	-13.00	41.85	211	136	Vertical
14467.3822	-46.83	-13.00	33.83	238	325	Vertical
17998.5000	-38.34	-13.00	25.34	172	262	Vertical
41.2041	-64.23	-13.00	51.23	212	133	Horizontal
229.7815	-67.88	-13.00	54.88	236	293	Horizontal
861.3801	-60.10	-13.00	47.10	178	165	Horizontal
2696.7393	-35.24	-13.00	22.24	196	294	Horizontal
7380.1460	-55.38	-13.00	42.38	274	165	Horizontal
16413.9471	-42.58	-13.00	29.58	132	6	Horizontal

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7.1.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
109.3015	-64.93	-13.00	51.93	162	198	Vertical
731.0056	-62.39	-13.00	49.39	278	230	Vertical
2703.1406	-36.41	-13.00	23.41	212	95	Vertical
7419.1473	-55.00	-13.00	42.00	274	230	Vertical
14458.8820	-46.84	-13.00	33.84	226	38	Vertical
17996.9999	-38.58	-13.00	25.58	184	293	Vertical
44.9872	-64.25	-13.00	51.25	181	293	Horizontal
227.3564	-68.23	-13.00	55.23	169	199	Horizontal
836.5953	-61.03	-13.00	48.03	245	325	Horizontal
2700.7401	-35.27	-13.00	22.27	223	131	Horizontal
7468.1489	-55.24	-13.00	42.24	271	40	Horizontal
16391.4464	-42.01	-13.00	29.01	125	136	Horizontal

7.1.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
107.5069	-64.67	-13.00	51.67	188	135	Vertical
767.4309	-61.71	-13.00	48.71	156	72	Vertical
2695.5391	-36.41	-13.00	23.41	242	4	Vertical
7342.1447	-54.10	-13.00	41.10	258	293	Vertical
14685.8895	-46.32	-13.00	33.32	173	198	Vertical
17824.9942	-41.65	-13.00	28.65	197	104	Vertical
44.1142	-64.92	-13.00	51.92	155	356	Horizontal
236.0383	-67.26	-13.00	54.26	163	97	Horizontal
856.1903	-60.91	-13.00	47.91	172	33	Horizontal
2697.5395	-35.30	-13.00	22.30	277	17	Horizontal
7459.1486	-55.44	-13.00	42.44	189	194	Horizontal
17023.9675	-43.85	-13.00	30.85	144	162	Horizontal

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7.2. Test Band = WCDMA Band IV

7.2.1. Test Mode =TM1 (Ant2)

7.2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
106.4883	-64.66	-13.00	51.66	185	258	Vertical
683.5702	-63.39	-13.00	50.39	196	163	Vertical
2705.1410	-36.20	-13.00	23.20	177	316	Vertical
7348.6450	-55.91	-13.00	42.91	213	163	Vertical
14677.3892	-47.55	-13.00	34.55	262	99	Vertical
17997.4999	-40.76	-13.00	27.76	254	195	Vertical
43.6777	-63.63	-13.00	50.63	159	99	Horizontal
234.8257	-67.46	-13.00	54.46	196	67	Horizontal
754.6262	-61.10	-13.00	48.10	321	353	Horizontal
2690.7381	-35.02	-13.00	22.02	262	313	Horizontal
7459.1486	-56.24	-13.00	43.24	278	290	Horizontal
16385.9462	-44.25	-13.00	31.25	184	67	Horizontal

7.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
105.5183	-64.86	-13.00	51.86	174	99	Vertical
779.6535	-61.65	-13.00	48.65	185	4	Vertical
2701.5403	-36.34	-13.00	23.34	196	174	Vertical
7378.1459	-55.91	-13.00	42.91	231	99	Vertical
14485.3828	-47.66	-13.00	34.66	266	225	Vertical
17999.0000	-40.33	-13.00	27.33	284	257	Vertical
42.4651	-63.96	-13.00	50.96	185	67	Horizontal
241.5191	-68.03	-13.00	55.03	196	164	Horizontal
882.9636	-60.16	-13.00	47.16	184	357	Horizontal
2699.5399	-35.30	-13.00	22.30	183	273	Horizontal
9311.2104	-52.45	-13.00	39.45	231	67	Horizontal
16392.9464	-43.89	-13.00	30.89	164	130	Horizontal

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7.2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
112.0661	-63.70	-13.00	50.70	185	99	Vertical
596.6538	-63.41	-13.00	50.41	196	163	Vertical
2696.3393	-36.41	-13.00	23.41	231	337	Vertical
7360.1453	-55.95	-13.00	42.95	274	322	Vertical
14700.3900	-47.54	-13.00	34.54	185	226	Vertical
17993.4998	-40.31	-13.00	27.31	123	226	Vertical
45.0843	-64.19	-13.00	51.19	174	353	Horizontal
242.6831	-68.05	-13.00	55.05	185	290	Horizontal
674.1607	-61.81	-13.00	48.81	196	35	Horizontal
2702.7405	-35.19	-13.00	22.19	213	187	Horizontal
9358.2119	-52.28	-13.00	39.28	291	131	Horizontal
16388.4463	-43.98	-13.00	30.98	157	258	Horizontal

7.2.2. Test Mode =TM1 (Ant3)

7.2.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
110.1745	-65.33	-13.00	52.33	176	166	Vertical
675.9553	-63.67	-13.00	50.67	327	356	Vertical
2697.9396	-36.17	-13.00	23.17	142	360	Vertical
5134.0711	-54.26	-13.00	41.26	118	70	Vertical
14519.8840	-46.59	-13.00	33.59	242	229	Vertical
17997.4999	-38.48	-13.00	25.48	196	70	Vertical
41.0586	-64.61	-13.00	51.61	166	261	Horizontal
233.4677	-67.48	-13.00	54.48	132	229	Horizontal
891.7426	-59.48	-13.00	46.48	172	38	Horizontal
2699.1398	-35.20	-13.00	22.20	232	246	Horizontal
5137.5713	-52.77	-13.00	39.77	219	133	Horizontal
16399.4466	-42.67	-13.00	29.67	227	261	Horizontal

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7.2.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
112.8906	-63.58	-13.00	50.58	187	194	Vertical
714.9998	-61.52	-13.00	48.52	252	67	Vertical
2709.9420	-35.65	-13.00	22.65	266	24	Vertical
5200.5734	-52.55	-13.00	39.55	284	226	Vertical
14483.3828	-47.51	-13.00	34.51	172	226	Vertical
17994.4998	-40.09	-13.00	27.09	147	67	Vertical
45.0358	-63.59	-13.00	50.59	166	355	Horizontal
232.4491	-66.62	-13.00	53.62	192	196	Horizontal
862.8351	-58.19	-13.00	45.19	142	36	Horizontal
2705.1410	-34.40	-13.00	21.40	188	193	Horizontal
5201.0734	-50.11	-13.00	37.11	252	196	Horizontal
16378.9460	-43.76	-13.00	30.76	219	68	Horizontal

7.2.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
114.2002	-63.05	-13.00	50.05	161	67	Vertical
696.9083	-62.08	-13.00	49.08	272	319	Vertical
2689.9380	-35.92	-13.00	22.92	255	126	Vertical
5261.0754	-51.45	-13.00	38.45	197	193	Vertical
14497.8833	-47.60	-13.00	34.60	146	130	Vertical
17999.5000	-40.64	-13.00	27.64	244	319	Vertical
43.9687	-62.82	-13.00	49.82	171	36	Horizontal
236.9598	-67.42	-13.00	54.42	161	327	Horizontal
2703.1406	-34.64	-13.00	21.64	138	1	Horizontal
5260.5754	-50.78	-13.00	37.78	251	194	Horizontal
10607.7536	-52.37	-13.00	39.37	187	227	Horizontal
16391.9464	-44.24	-13.00	31.24	266	67	Horizontal

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7.3. Test Band = WCDMA Band V

7.3.1. Test Mode =TM1 (Ant0)

7.3.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
109.3985	-64.61	-13.00	51.61	174	6	Vertical
624.2517	-63.41	-13.00	50.41	185	234	Vertical
2689.9380	-56.38	-13.00	43.38	196	2	Vertical
8613.1871	-55.56	-13.00	42.56	231	201	Vertical
14490.8830	-48.23	-13.00	35.23	252	301	Vertical
17999.5000	-40.71	-13.00	27.71	291	6	Vertical
44.5507	-64.02	-13.00	51.02	188	4	Horizontal
228.9569	-68.38	-13.00	55.38	199	226	Horizontal
643.0222	-63.56	-13.00	50.56	321	354	Horizontal
2694.7389	-55.16	-13.00	42.16	252	356	Horizontal
9300.7100	-52.93	-13.00	39.93	283	226	Horizontal
16382.9461	-44.02	-13.00	31.02	161	131	Horizontal

7.3.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
109.3985	-63.65	-13.00	50.65	147	4	Vertical
580.1145	-64.22	-13.00	51.22	185	4	Vertical
2701.5403	-56.41	-13.00	43.41	196	93	Vertical
7355.1452	-56.69	-13.00	43.69	235	290	Vertical
14462.8821	-48.84	-13.00	35.84	251	68	Vertical
17997.9999	-42.46	-13.00	29.46	164	36	Vertical
39.5550	-64.53	-13.00	51.53	258	68	Horizontal
236.1353	-68.03	-13.00	55.03	274	198	Horizontal
729.4050	-62.30	-13.00	49.30	196	101	Horizontal
2699.5399	-55.07	-13.00	42.07	321	252	Horizontal
9982.2327	-53.35	-13.00	40.35	262	356	Horizontal
16381.9461	-45.00	-13.00	32.00	261	166	Horizontal

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7.3.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
110.5140	-64.07	-13.00	51.07	256	351	Vertical
460.5560	-65.97	-13.00	52.97	241	99	Vertical
2701.1402	-56.39	-13.00	43.39	208	53	Vertical
7382.1461	-56.82	-13.00	43.82	184	225	Vertical
14481.8827	-49.78	-13.00	36.78	213	99	Vertical
17995.9999	-44.57	-13.00	31.57	262	68	Vertical
42.8531	-63.97	-13.00	50.97	174	68	Horizontal
241.9556	-67.77	-13.00	54.77	185	68	Horizontal
666.2548	-62.06	-13.00	49.06	213	101	Horizontal
2701.1402	-55.27	-13.00	42.27	262	274	Horizontal
7474.1491	-57.18	-13.00	44.18	269	341	Horizontal
16392.4464	-46.46	-13.00	33.46	194	237	Horizontal

7.3.2. Test Mode = TM1 (Ant1)

7.3.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
110.8050	-64.63	-13.00	51.63	166	322	Vertical
624.3002	-62.38	-13.00	49.38	199	195	Vertical
1654.5309	-63.32	-13.00	50.32	252	133	Vertical
2993.9988	-54.82	-13.00	41.82	141	166	Vertical
14467.8823	-48.04	-13.00	35.04	156	226	Vertical
17996.9999	-41.00	-13.00	28.00	221	4	Vertical
40.9130	-63.21	-13.00	50.21	172	329	Horizontal
231.0426	-67.47	-13.00	54.47	121	230	Horizontal
1650.5301	-62.61	-13.00	49.61	266	143	Horizontal
2700.7401	-54.57	-13.00	41.57	232	188	Horizontal
7433.6478	-56.14	-13.00	43.14	271	359	Horizontal
16385.9462	-44.22	-13.00	31.22	247	67	Horizontal

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7.3.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
111.6296	-63.78	-13.00	50.78	278	99	Vertical
615.5698	-63.80	-13.00	50.80	142	132	Vertical
2419.0838	-57.26	-13.00	44.26	166	356	Vertical
7377.6459	-56.15	-13.00	43.15	127	36	Vertical
14701.3900	-48.00	-13.00	35.00	284	292	Vertical
17999.0000	-41.82	-13.00	28.82	222	36	Vertical
40.7190	-64.11	-13.00	51.11	185	229	Horizontal
239.9670	-67.31	-13.00	54.31	111	67	Horizontal
1670.5341	-63.75	-13.00	50.75	125	138	Horizontal
2702.3405	-54.75	-13.00	41.75	169	238	Horizontal
7449.6483	-56.72	-13.00	43.72	132	229	Horizontal
16383.9461	-44.84	-13.00	31.84	254	133	Horizontal

7.3.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
116.6738	-64.48	-13.00	51.48	132	4	Vertical
629.3930	-64.03	-13.00	51.03	272	67	Vertical
2458.6917	-56.33	-13.00	43.33	111	313	Vertical
7371.1457	-56.78	-13.00	43.78	296	224	Vertical
14497.8833	-48.79	-13.00	35.79	217	288	Vertical
17994.9998	-42.29	-13.00	29.29	233	35	Vertical
40.8160	-62.32	-13.00	49.32	161	224	Horizontal
250.0070	-67.54	-13.00	54.54	272	130	Horizontal
623.6697	-62.82	-13.00	49.82	284	193	Horizontal
2699.5399	-54.84	-13.00	41.84	177	351	Horizontal
7996.6666	-56.16	-13.00	43.16	241	350	Horizontal
16376.9459	-45.24	-13.00	32.24	211	256	Horizontal

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

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VL	TN	11.69	0.006309	±2.5	PASS
Band II	9262	VN	TN	11.31	0.006105	±2.5	PASS
Band II	9262	VH	TN	11.49	0.006205	±2.5	PASS
Band II	9400	VL	TN	12.16	0.006468	±2.5	PASS
Band II	9400	VN	TN	12.67	0.006742	±2.5	PASS
Band II	9400	VH	TN	11.86	0.006308	±2.5	PASS
Band II	9538	VL	TN	8.13	0.004259	±2.5	PASS
Band II	9538	VN	TN	8.95	0.004691	±2.5	PASS
Band II	9538	VH	TN	9.39	0.004923	±2.5	PASS
Band IV	1312	VL	TN	3.06	0.001788	±2.5	PASS
Band IV	1312	VN	TN	6.27	0.003659	±2.5	PASS
Band IV	1312	VH	TN	3.88	0.002264	±2.5	PASS
Band IV	1413	VL	TN	5.61	0.003241	±2.5	PASS
Band IV	1413	VN	TN	5.38	0.003104	±2.5	PASS
Band IV	1413	VH	TN	6.33	0.003653	±2.5	PASS
Band IV	1513	VL	TN	1.75	0.001000	±2.5	PASS
Band IV	1513	VN	TN	2.61	0.001490	±2.5	PASS
Band IV	1513	VH	TN	2.22	0.001265	±2.5	PASS
Band V	4132	VL	TN	-0.69	-0.000831	±2.5	PASS
Band V	4132	VN	TN	-1.58	-0.001913	±2.5	PASS
Band V	4132	VH	TN	-0.21	-0.000260	±2.5	PASS
Band V	4182	VL	TN	-0.11	-0.000128	±2.5	PASS
Band V	4182	VN	TN	-0.34	-0.000402	±2.5	PASS
Band V	4182	VH	TN	-0.21	-0.000248	±2.5	PASS
Band V	4233	VL	TN	-0.36	-0.000431	±2.5	PASS
Band V	4233	VN	TN	0.05	0.000059	±2.5	PASS
Band V	4233	VH	TN	-1.04	-0.001233	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	9.78	0.005282	±2.5	PASS
Band II	9262	VN	-20	11.94	0.006444	±2.5	PASS
Band II	9262	VN	-10	11.77	0.006356	±2.5	PASS
Band II	9262	VN	0	12.59	0.006796	±2.5	PASS
Band II	9262	VN	10	9.27	0.005004	±2.5	PASS
Band II	9262	VN	20	11.71	0.006321	±2.5	PASS
Band II	9262	VN	30	11.30	0.006101	±2.5	PASS

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Band II	9262	VN	40	11.22	0.006058	±2.5	PASS
Band II	9262	VN	50	11.42	0.006166	±2.5	PASS
Band II	9400	VN	-30	11.54	0.006141	±2.5	PASS
Band II	9400	VN	-20	12.84	0.006829	±2.5	PASS
Band II	9400	VN	-10	11.89	0.006327	±2.5	PASS
Band II	9400	VN	0	11.17	0.005943	±2.5	PASS
Band II	9400	VN	10	11.06	0.005882	±2.5	PASS
Band II	9400	VN	20	13.04	0.006936	±2.5	PASS
Band II	9400	VN	30	12.39	0.006589	±2.5	PASS
Band II	9400	VN	40	11.82	0.006289	±2.5	PASS
Band II	9400	VN	50	11.87	0.006316	±2.5	PASS
Band II	9538	VN	-30	9.93	0.005208	±2.5	PASS
Band II	9538	VN	-20	8.03	0.004207	±2.5	PASS
Band II	9538	VN	-10	10.59	0.005553	±2.5	PASS
Band II	9538	VN	0	9.58	0.005021	±2.5	PASS
Band II	9538	VN	10	9.51	0.004987	±2.5	PASS
Band II	9538	VN	20	10.01	0.005246	±2.5	PASS
Band II	9538	VN	30	9.03	0.004732	±2.5	PASS
Band II	9538	VN	40	9.52	0.004991	±2.5	PASS
Band II	9538	VN	50	9.58	0.005021	±2.5	PASS
Band IV	1312	VN	-30	2.77	0.001616	±2.5	PASS
Band IV	1312	VN	-20	6.12	0.003571	±2.5	PASS
Band IV	1312	VN	-10	5.29	0.003091	±2.5	PASS
Band IV	1312	VN	0	5.49	0.003204	±2.5	PASS
Band IV	1312	VN	10	7.41	0.004327	±2.5	PASS
Band IV	1312	VN	20	4.49	0.002623	±2.5	PASS
Band IV	1312	VN	30	6.08	0.003550	±2.5	PASS
Band IV	1312	VN	40	4.29	0.002506	±2.5	PASS
Band IV	1312	VN	50	5.16	0.003012	±2.5	PASS
Band IV	1413	VN	-30	5.02	0.002898	±2.5	PASS
Band IV	1413	VN	-20	5.87	0.003389	±2.5	PASS
Band IV	1413	VN	-10	6.26	0.003612	±2.5	PASS
Band IV	1413	VN	0	5.14	0.002968	±2.5	PASS
Band IV	1413	VN	10	5.14	0.002964	±2.5	PASS
Band IV	1413	VN	20	6.32	0.003645	±2.5	PASS
Band IV	1413	VN	30	6.59	0.003806	±2.5	PASS
Band IV	1413	VN	40	5.74	0.003315	±2.5	PASS
Band IV	1413	VN	50	6.07	0.003501	±2.5	PASS
Band IV	1513	VN	-30	1.30	0.000743	±2.5	PASS
Band IV	1513	VN	-20	1.55	0.000886	±2.5	PASS
Band IV	1513	VN	-10	1.42	0.000808	±2.5	PASS
Band IV	1513	VN	0	1.34	0.000767	±2.5	PASS
Band IV	1513	VN	10	2.17	0.001241	±2.5	PASS
Band IV	1513	VN	20	1.83	0.001045	±2.5	PASS
Band IV	1513	VN	30	1.26	0.000718	±2.5	PASS
Band IV	1513	VN	40	0.89	0.000510	±2.5	PASS
Band IV	1513	VN	50	1.75	0.000996	±2.5	PASS

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Band V	4132	VN	-30	-0.06	-0.000078	±2.5	PASS
Band V	4132	VN	-20	-0.63	-0.000762	±2.5	PASS
Band V	4132	VN	-10	0.01	0.000009	±2.5	PASS
Band V	4132	VN	0	-0.21	-0.000251	±2.5	PASS
Band V	4132	VN	10	-1.04	-0.001255	±2.5	PASS
Band V	4132	VN	20	-0.71	-0.000857	±2.5	PASS
Band V	4132	VN	30	0.06	0.000069	±2.5	PASS
Band V	4132	VN	40	-0.19	-0.000234	±2.5	PASS
Band V	4132	VN	50	-0.11	-0.000138	±2.5	PASS
Band V	4182	VN	-30	0.84	0.001001	±2.5	PASS
Band V	4182	VN	-20	0.65	0.000778	±2.5	PASS
Band V	4182	VN	-10	-0.17	-0.000205	±2.5	PASS
Band V	4182	VN	0	0.45	0.000539	±2.5	PASS
Band V	4182	VN	10	-0.64	-0.000761	±2.5	PASS
Band V	4182	VN	20	-0.04	-0.000051	±2.5	PASS
Band V	4182	VN	30	-0.26	-0.000308	±2.5	PASS
Band V	4182	VN	40	-0.25	-0.000299	±2.5	PASS
Band V	4182	VN	50	0.27	0.000325	±2.5	PASS
Band V	4233	VN	-30	-0.73	-0.000862	±2.5	PASS
Band V	4233	VN	-20	-0.92	-0.001090	±2.5	PASS
Band V	4233	VN	-10	-1.09	-0.001284	±2.5	PASS
Band V	4233	VN	0	-0.53	-0.000625	±2.5	PASS
Band V	4233	VN	10	-0.73	-0.000862	±2.5	PASS
Band V	4233	VN	20	-0.74	-0.000870	±2.5	PASS
Band V	4233	VN	30	-0.33	-0.000389	±2.5	PASS
Band V	4233	VN	40	-0.74	-0.000879	±2.5	PASS
Band V	4233	VN	50	-1.04	-0.001225	±2.5	PASS

The End

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