



Appendix B

WCDMA Band II & V



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1. Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Modulation	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	QPSK	9262	22.91	21.81	33.00	PASS
Band II	QPSK	9400	23.42	22.32	33.00	PASS
Band II	QPSK	9538	23.35	22.25	33.00	PASS
Band V	QPSK	4132	22.58	18.56	30.00	PASS
Band V	QPSK	4182	22.61	18.59	30.00	PASS
Band V	QPSK	4233	22.63	18.61	30.00	PASS
Band II	16QAM	9262	19.85	18.75	33.00	PASS
Band II	16QAM	9400	20.14	19.04	33.00	PASS
Band II	16QAM	9538	20.41	19.31	33.00	PASS
Band V	16QAM	4132	19.20	15.18	30.00	PASS
Band V	16QAM	4182	19.15	15.13	30.00	PASS
Band V	16QAM	4233	19.03	15.01	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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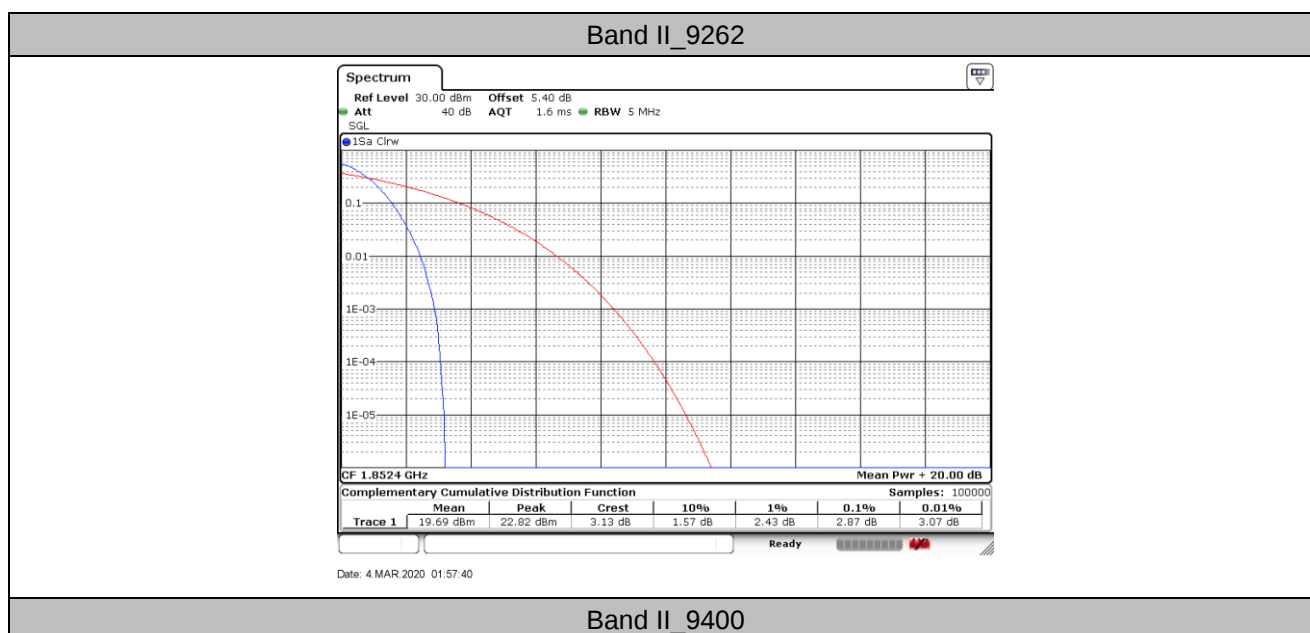
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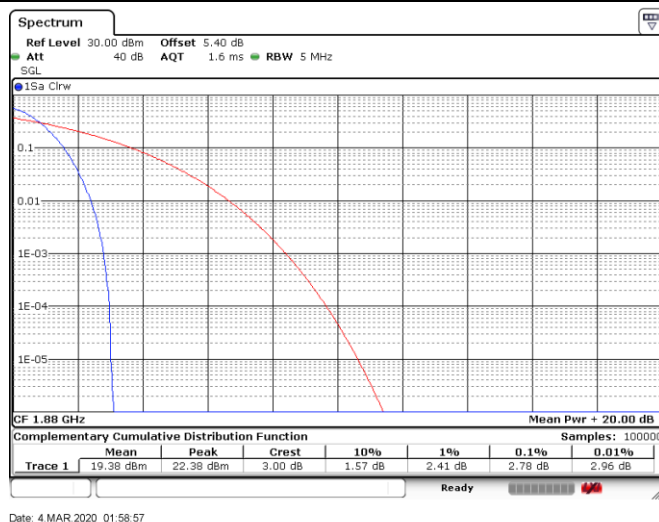
2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

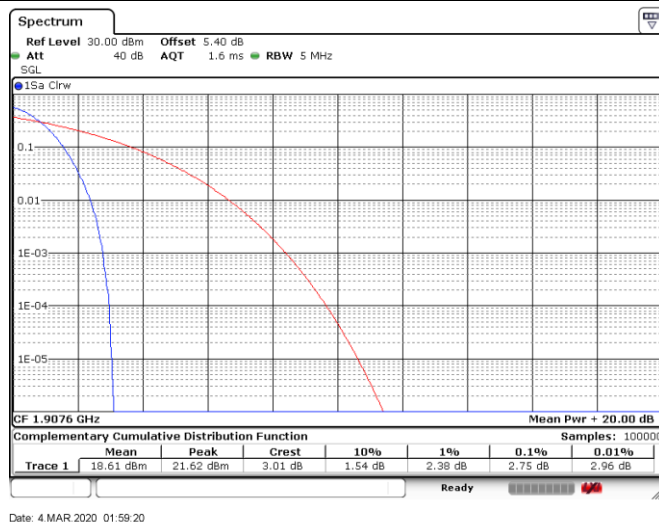
Band	Modulation	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	QPSK	9262	2.87	13.00	PASS
Band II	QPSK	9400	2.78	13.00	PASS
Band II	QPSK	9538	2.75	13.00	PASS
Band V	QPSK	4132	2.84	13.00	PASS
Band V	QPSK	4182	3.16	13.00	PASS
Band V	QPSK	4233	2.84	13.00	PASS
Band II	16QAM	9262	3.28	13.00	PASS
Band II	16QAM	9400	3.86	13.00	PASS
Band II	16QAM	9538	3.28	13.00	PASS
Band V	16QAM	4132	4.03	13.00	PASS
Band V	16QAM	4182	3.57	13.00	PASS
Band V	16QAM	4233	3.10	13.00	PASS

2.2. Test Plots for QPSK



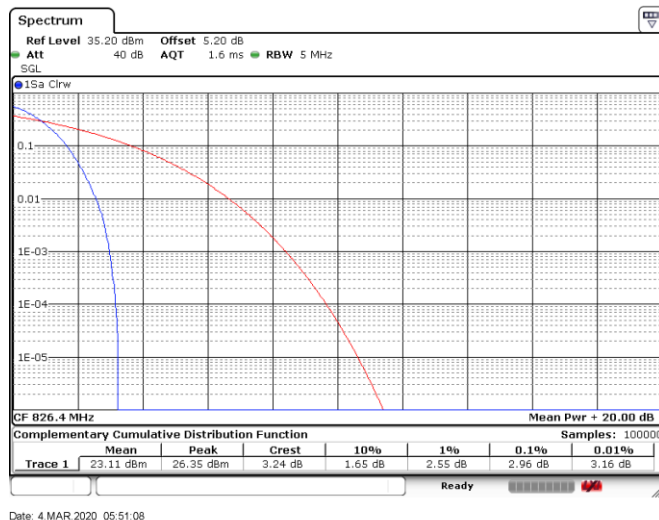


Band II_9538

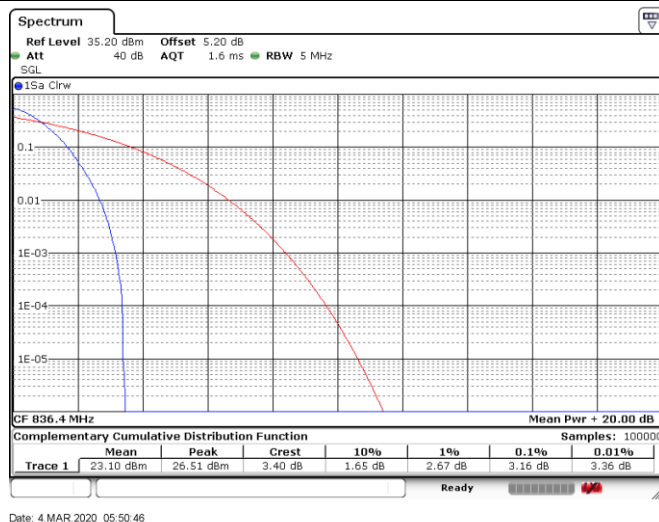


Band V_4132



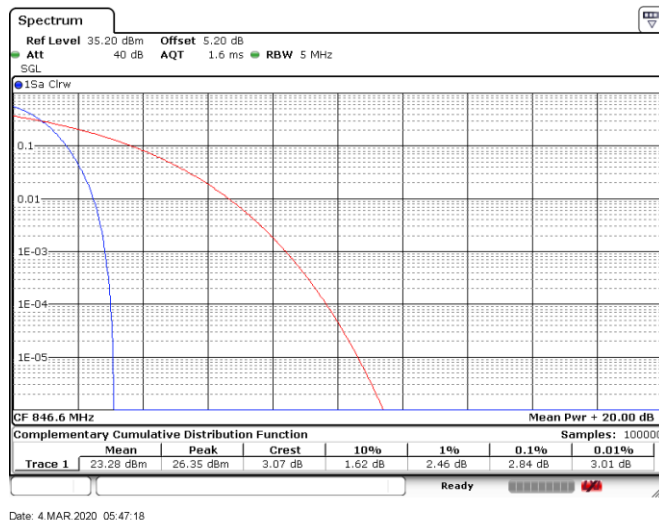


Band V_4182



Band V_4233

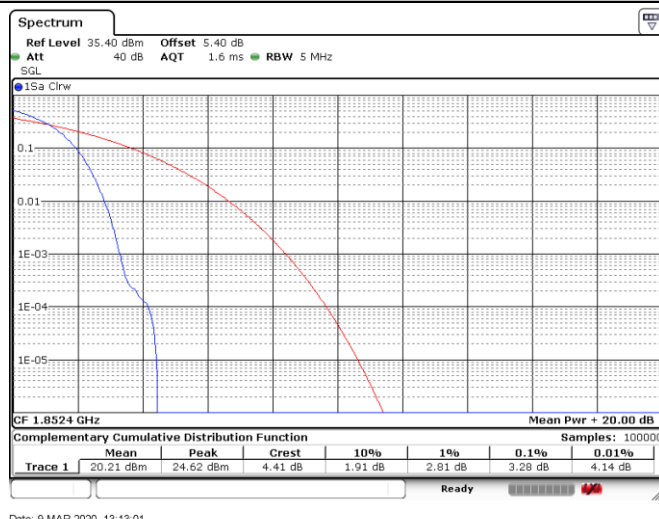




Date: 4 MAR 2020 05:47:18

2.3. Test Plots for 16QAM

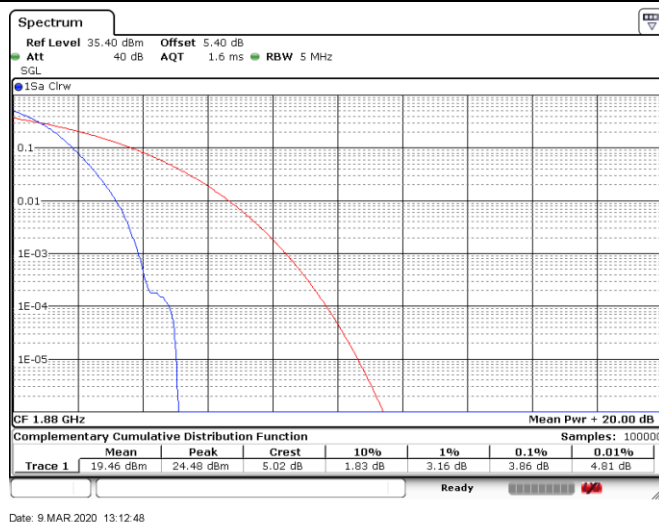
Band II_9262



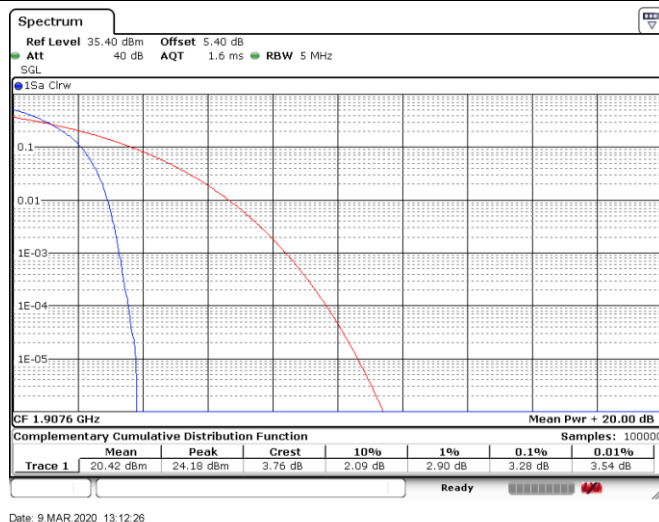
Date: 9 MAR 2020 13:13:01

Band II_9400



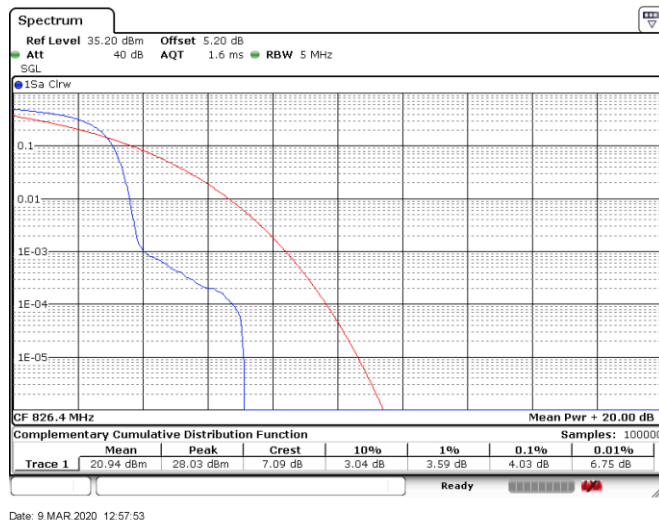


Band II_9538

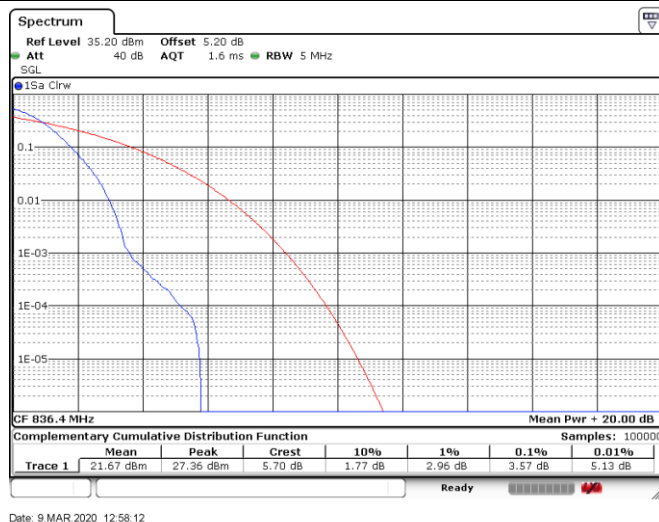


Band V_4132



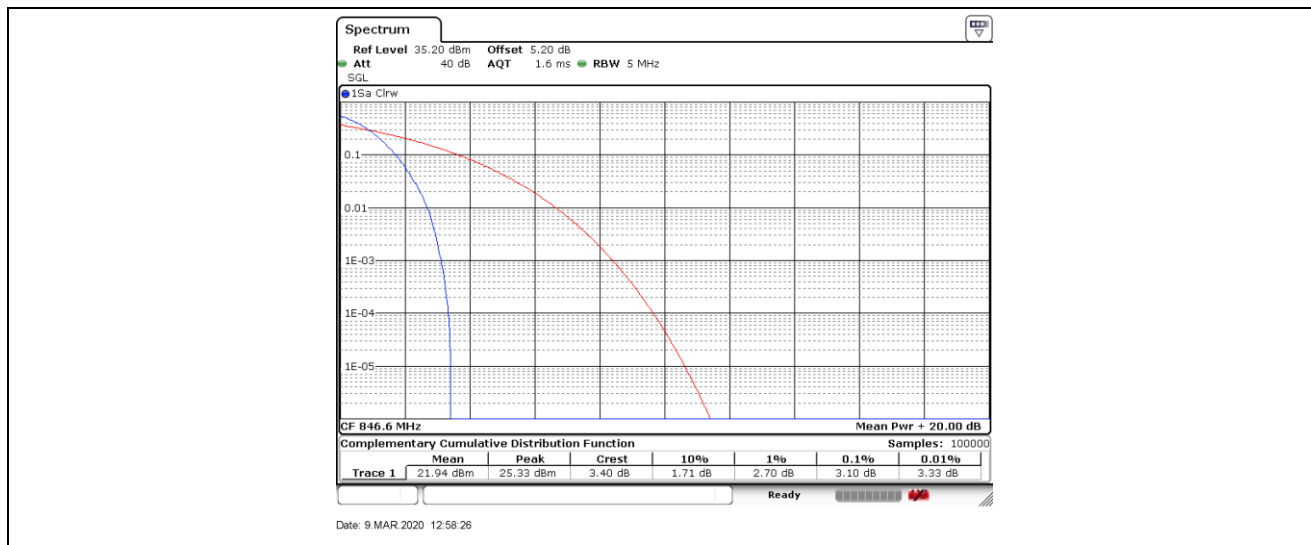


Band V_4182



Band V_4233



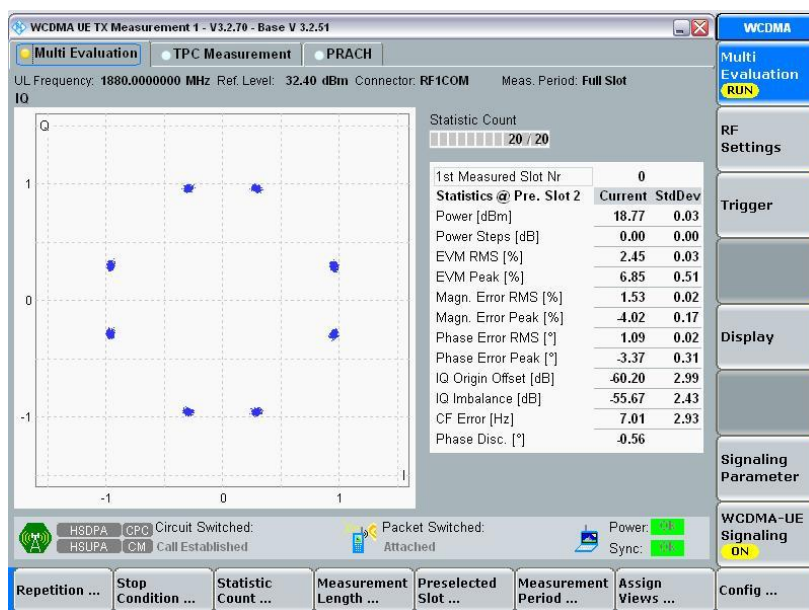


3. Modulation Characteristics

3.1. Test Band = WCDMA Band II

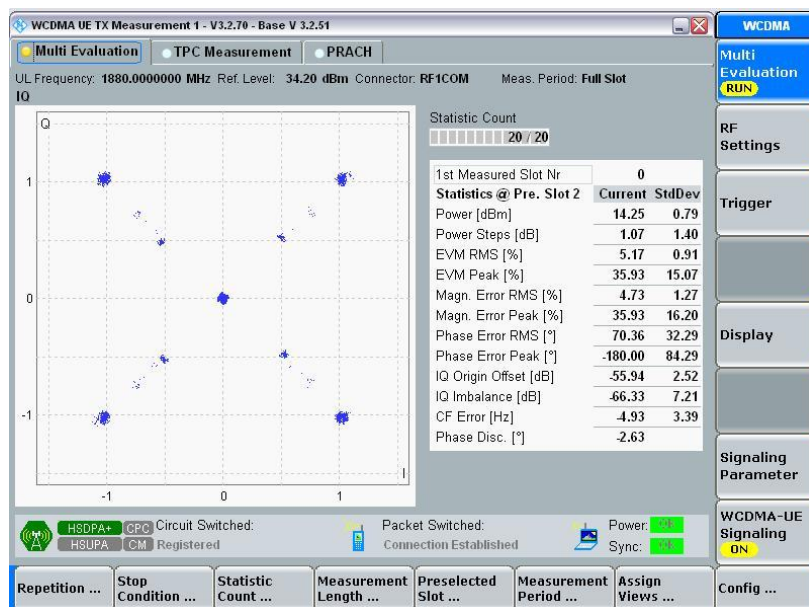
3.1.1. Test Mode = UMTS/TM1

3.1.1.1. Test Channel = MCH



3.1.2. Test Mode = UMTS /TM2

3.1.2.1. Test Channel = MCH



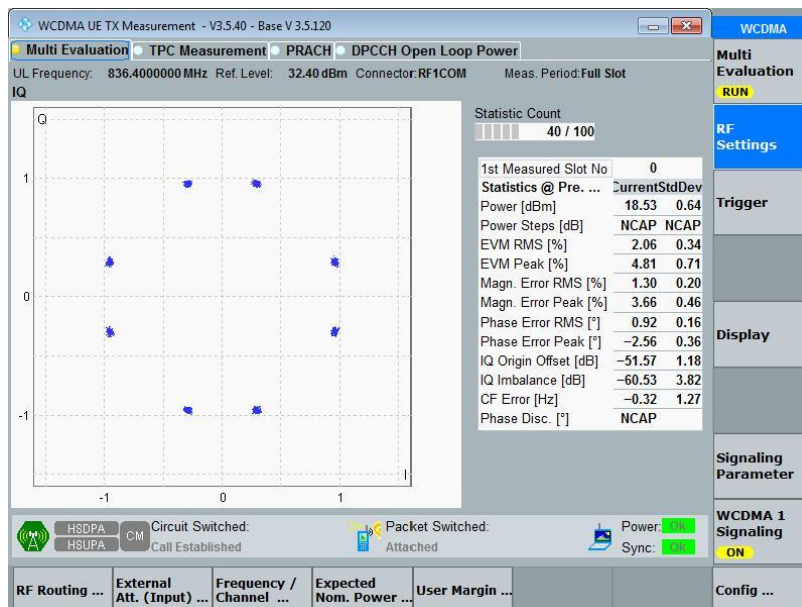
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3.2. Test Band = WCDMA Band V

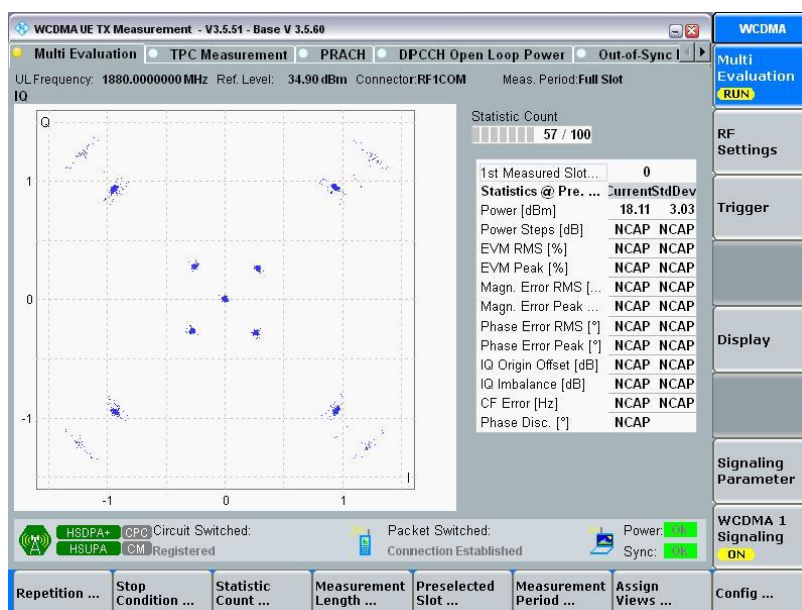
3.2.1. Test Mode = UMTS /TM1

3.2.1.1. Test Channel = MCH



3.2.2. Test Mode = UMTS /TM2

3.2.2.1. Test Channel = MCH



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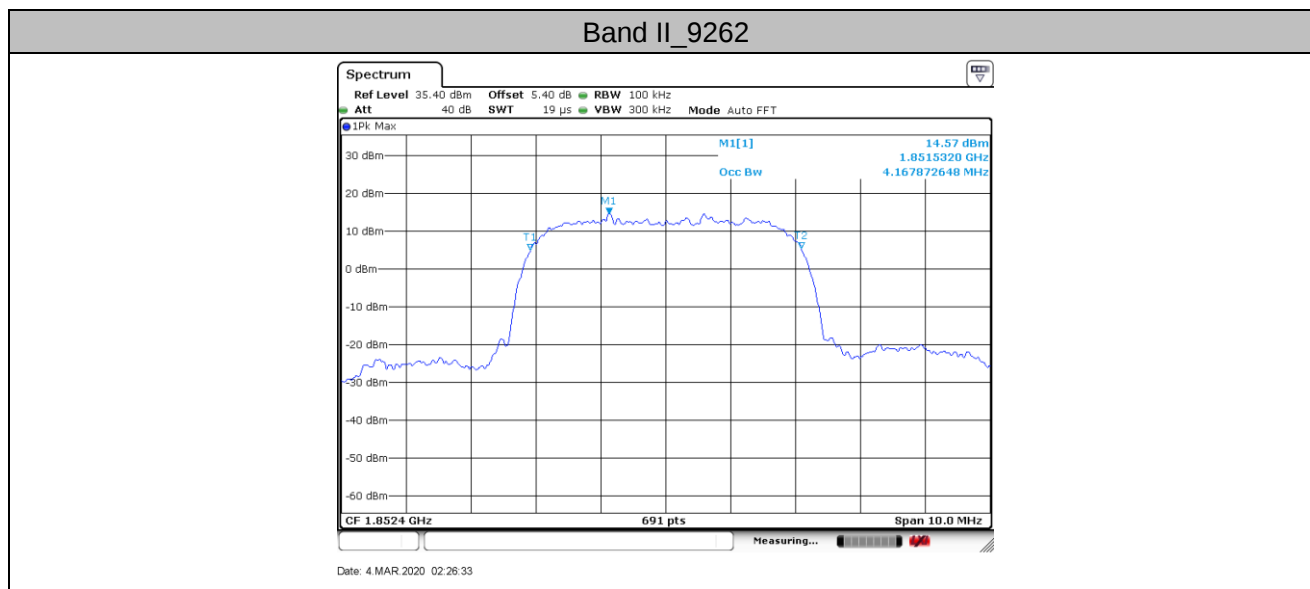


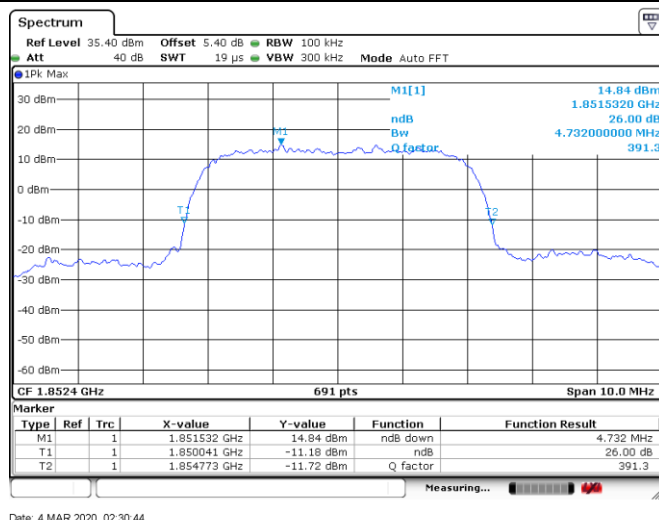
4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

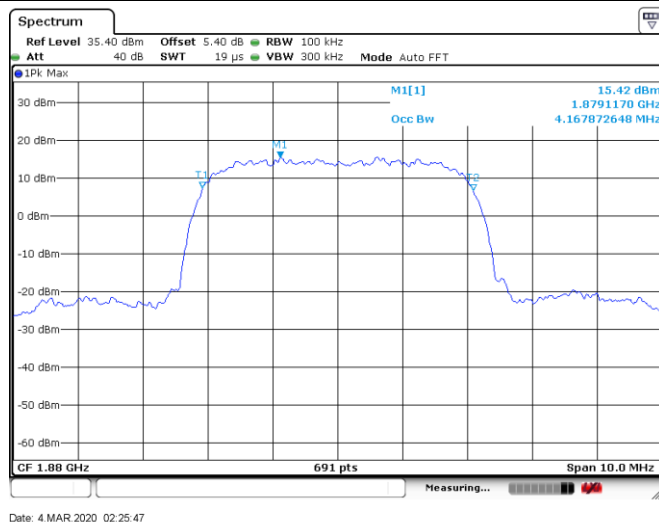
Band	Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
Band II	QPSK	9262	4.167	4.732	---	PASS
Band II	QPSK	9400	4.168	4.732	---	PASS
Band II	QPSK	9538	4.168	4.732	---	PASS
Band V	QPSK	4132	4.168	4.703	---	PASS
Band V	QPSK	4182	4.168	4.718	---	PASS
Band V	QPSK	4233	4.168	4.718	---	PASS
Band II	16QAM	9262	4.197	4.805	---	PASS
Band II	16QAM	9400	4.197	4.703	---	PASS
Band II	16QAM	9538	4.168	4.689	---	PASS
Band V	16QAM	4132	4.197	4.761	---	PASS
Band V	16QAM	4182	4.226	4.718	---	PASS
Band V	16QAM	4233	4.197	4.776	---	PASS

4.2. Test Plots for QPSK



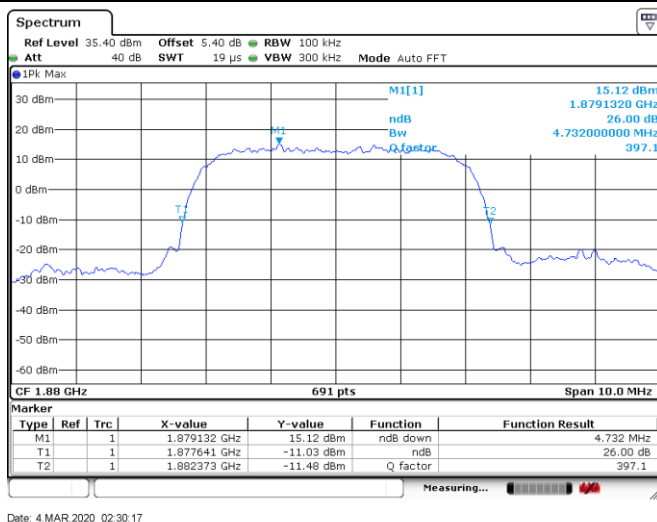


Band II_9400

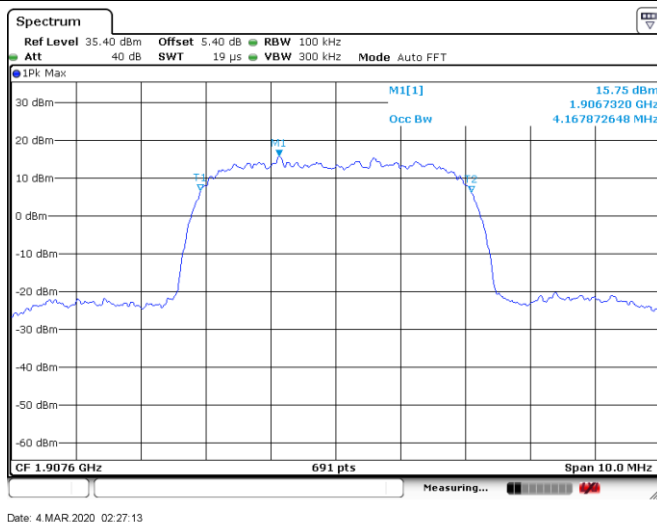


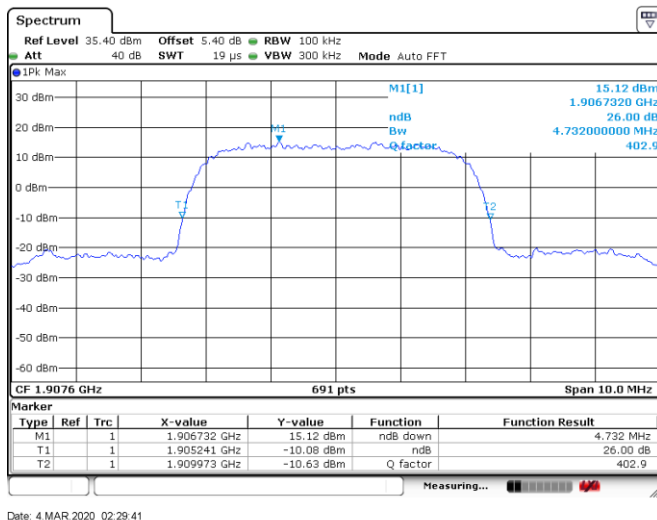
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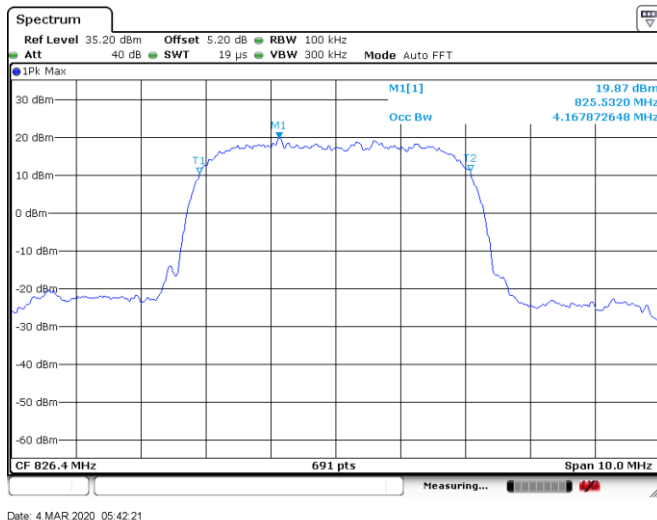


Band II_9538





Band V_4132

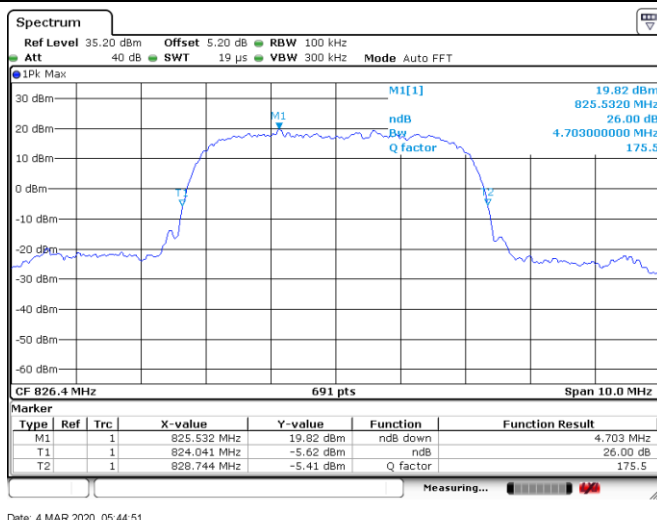


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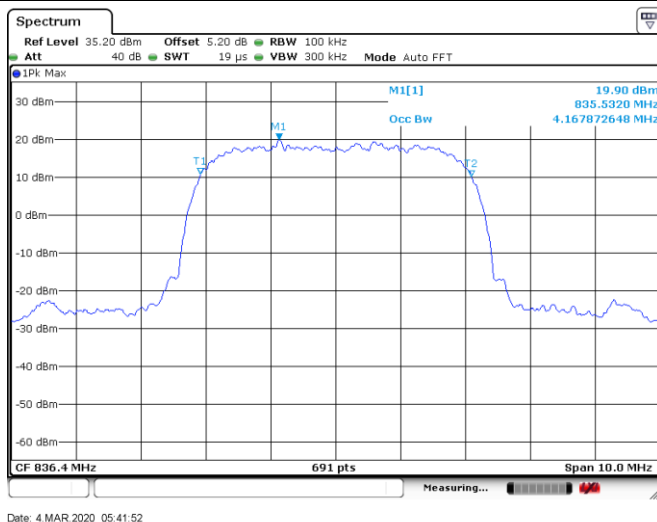
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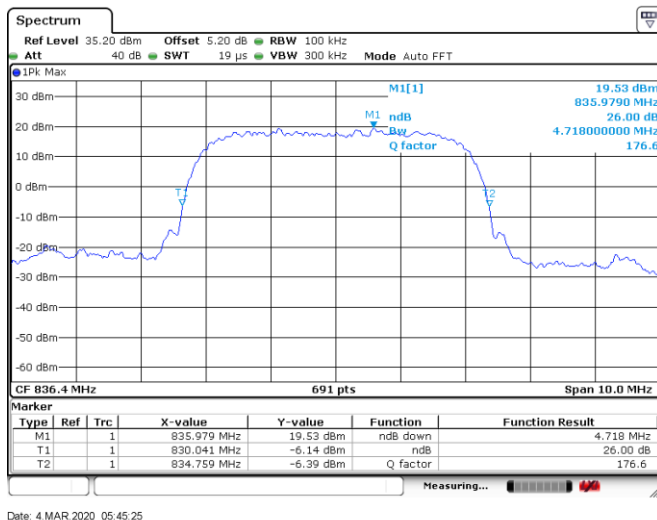
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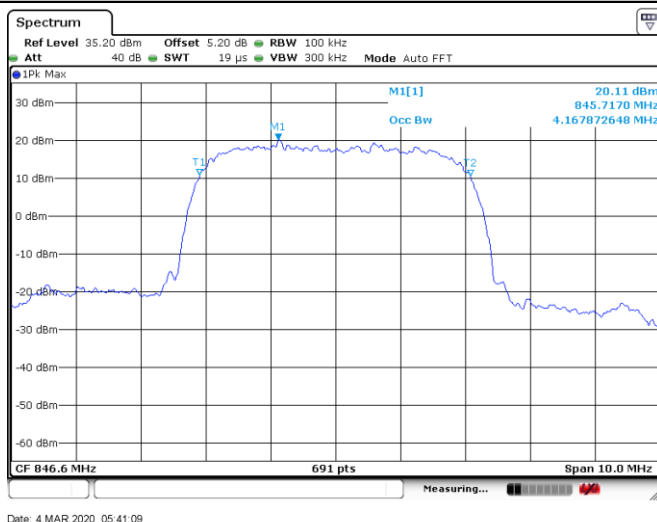


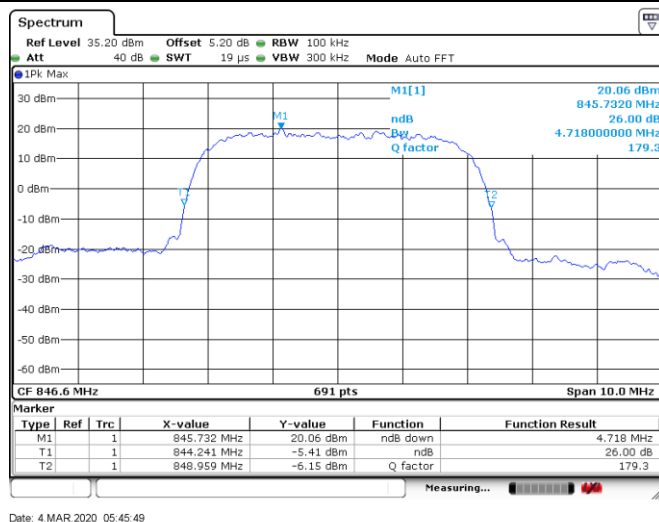
Band V_4182





Band V_4233

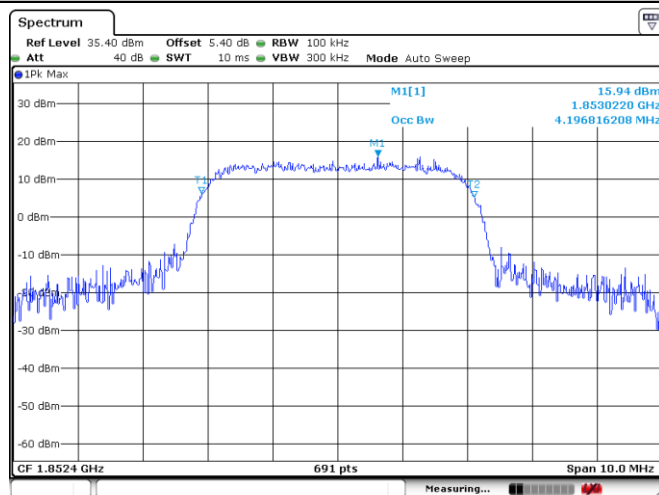




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4.3. Test Plots for 16QAM

Band II_9262

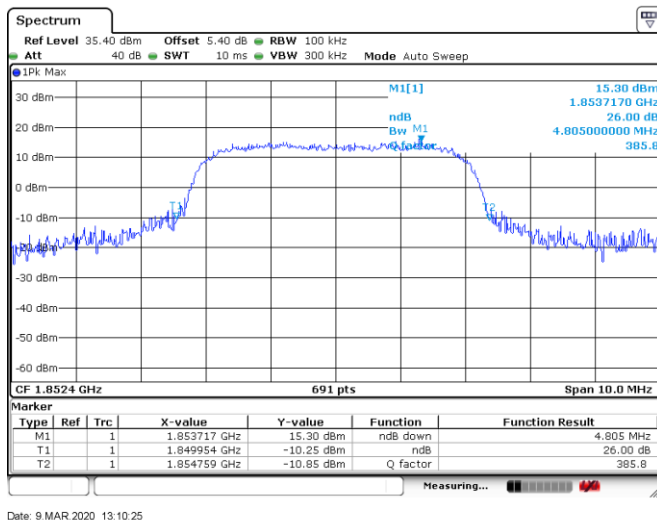


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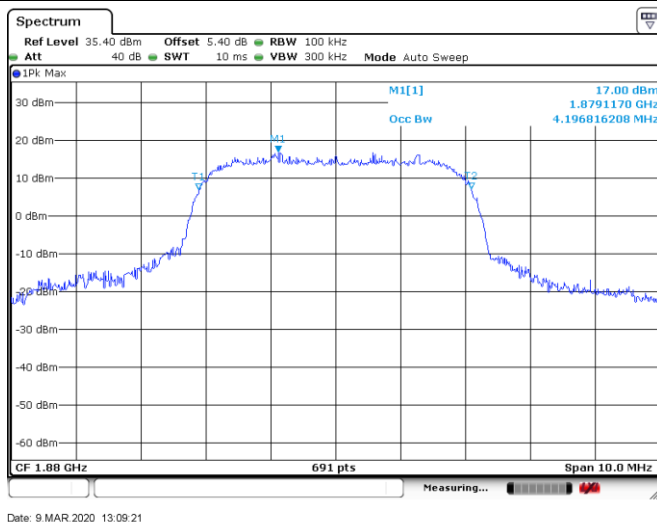


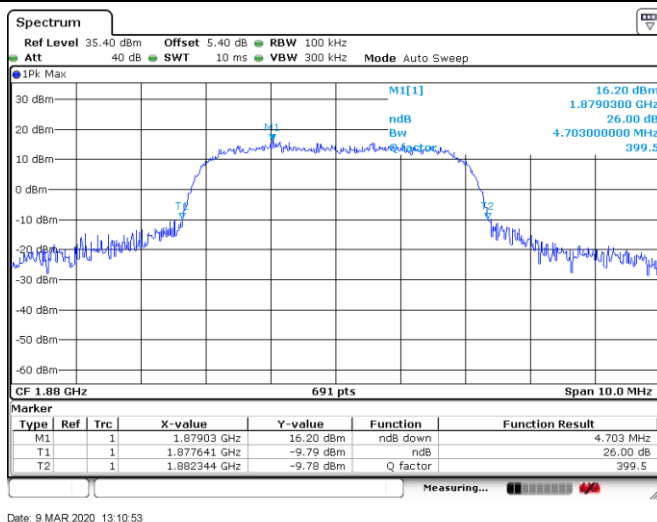
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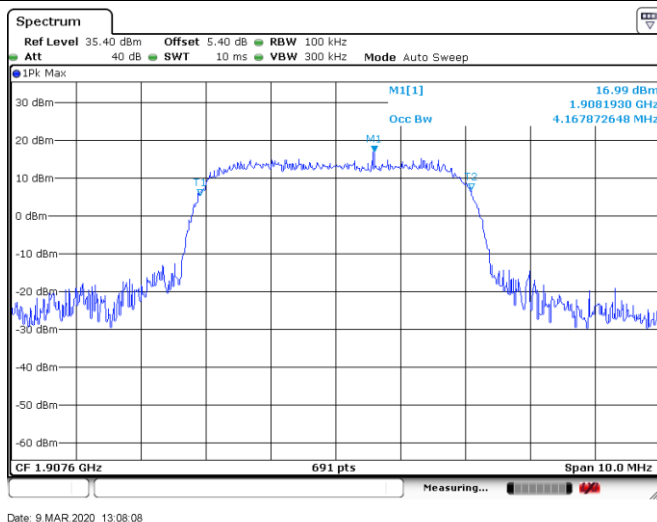


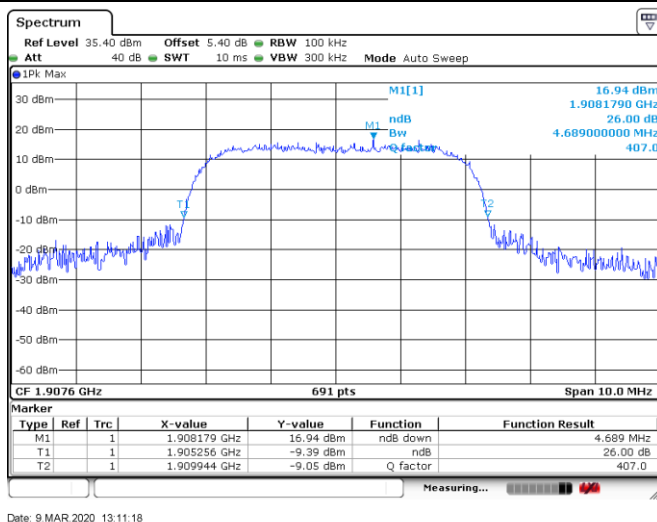
Band II_9400



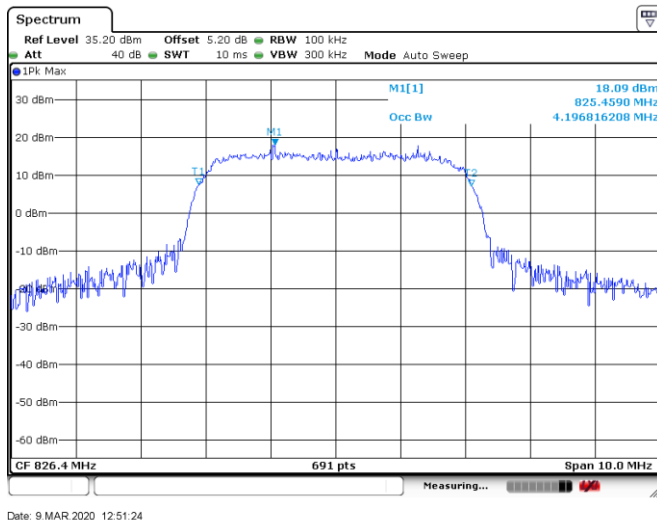


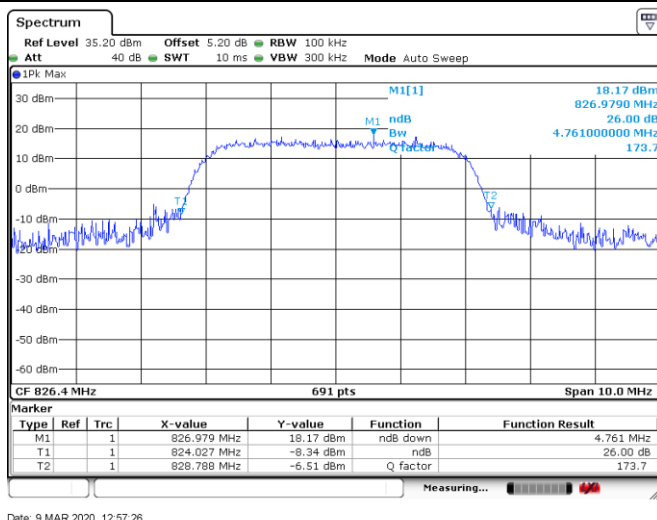
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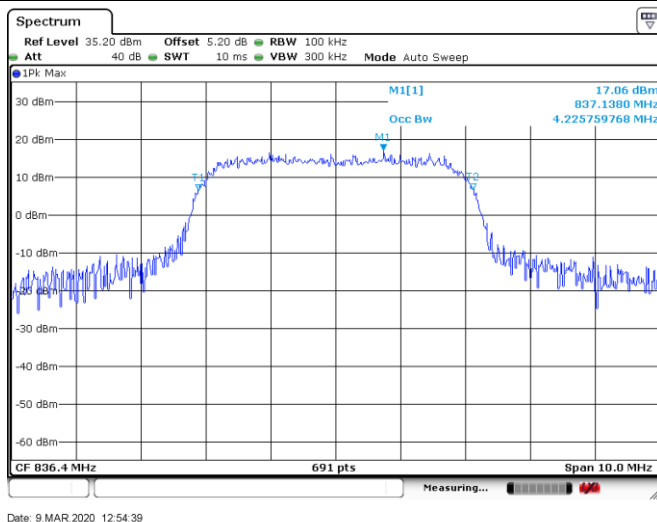


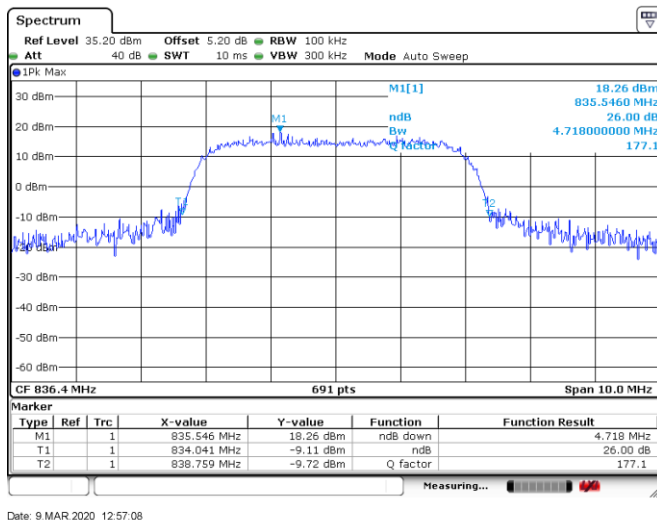
Band V_4132



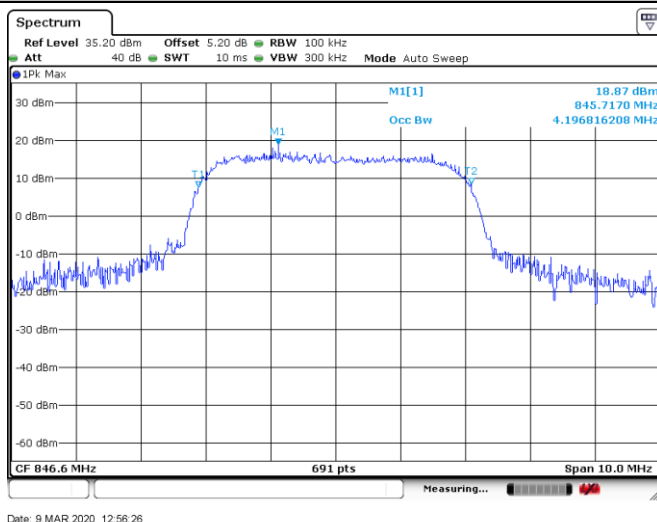


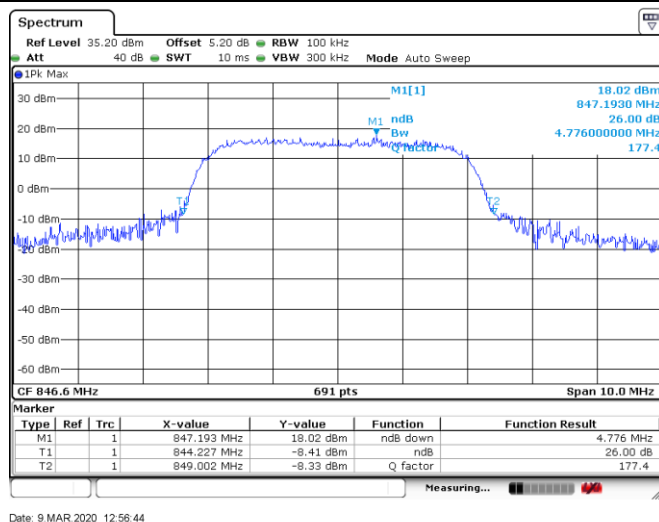
Band V_4182





Band V_4233



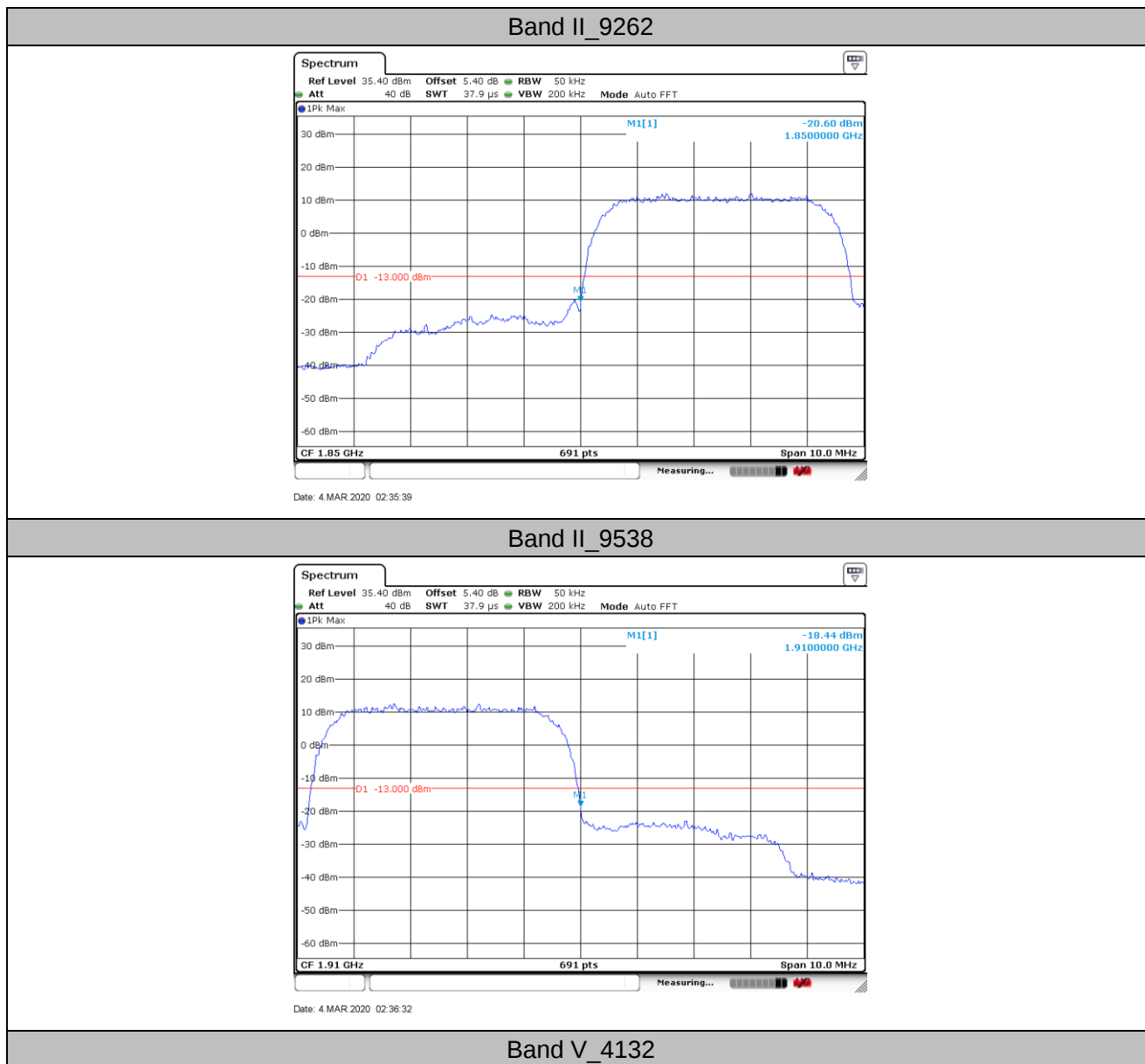


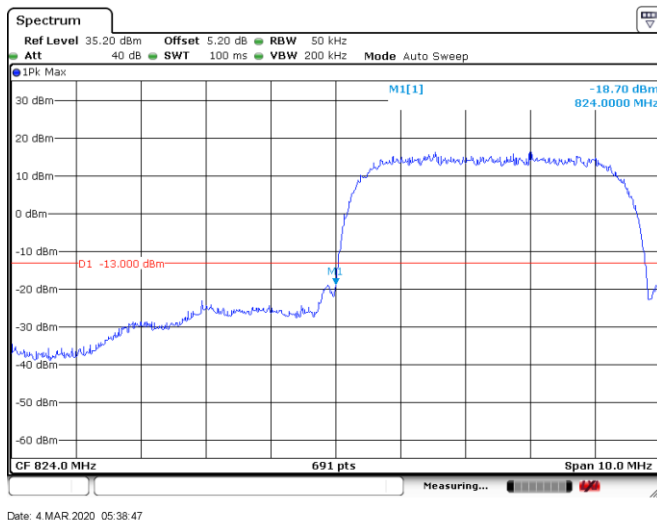
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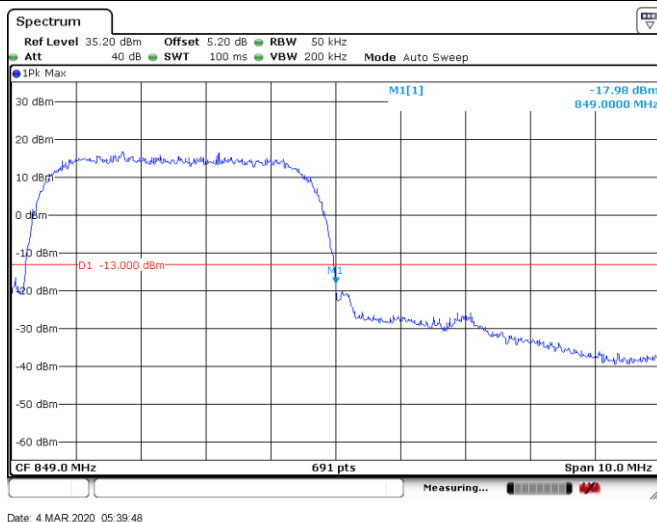
5. Band Edge Compliance

5.1. Test Plots for QPSK





Band V_4233



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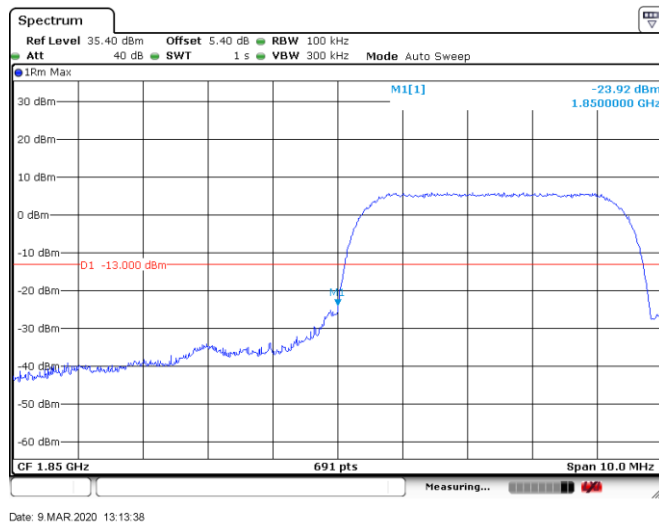
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5.2. Test Plots for 16QAM

Band II_9262



Date: 9 MAR 2020 13:13:38

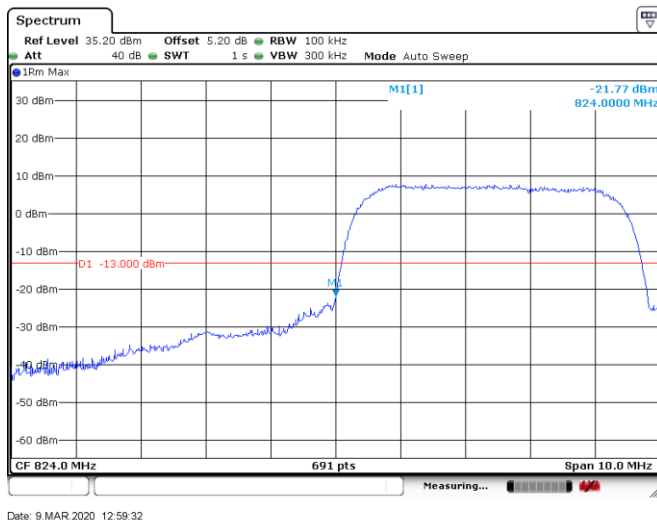
Band II_9538



Date: 9 MAR 2020 13:13:56

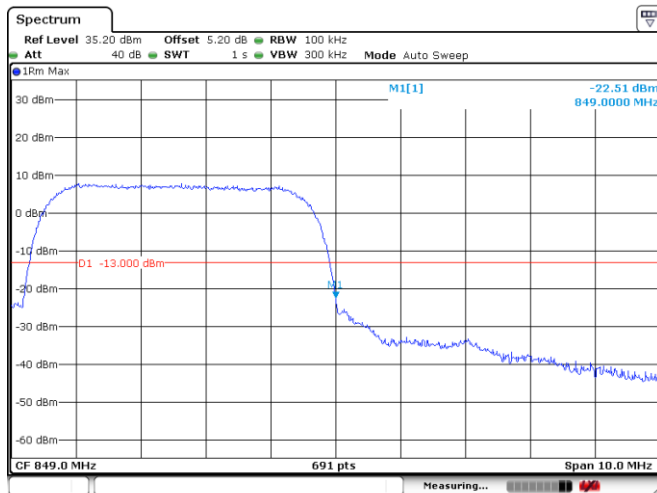
Band V_4132





Date: 9 MAR 2020 12:59:32

Band V_4233



Date: 9 MAR 2020 12:59:11



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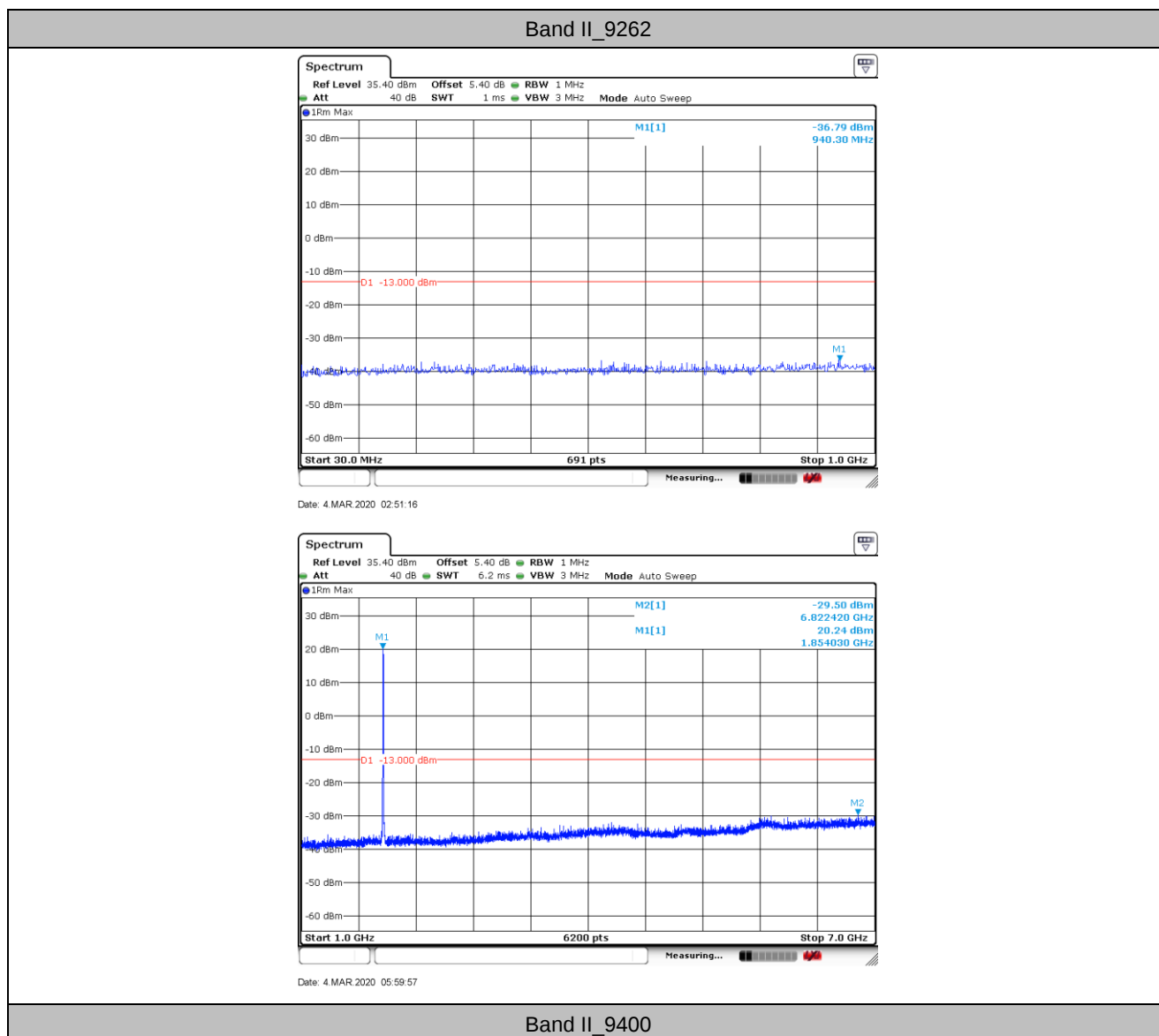
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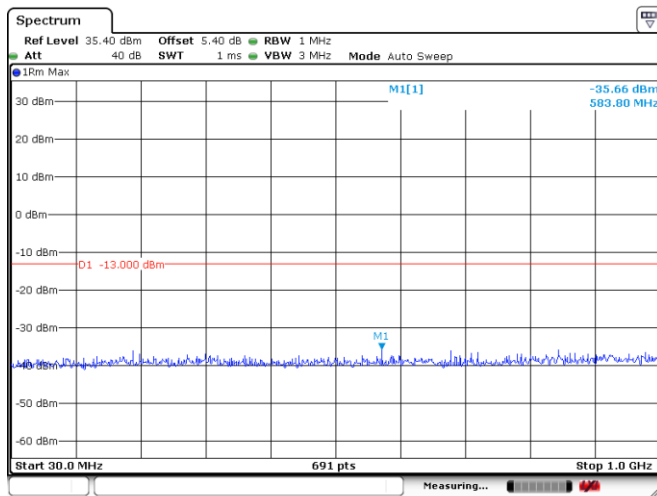
6. Spurious Emission at Antenna Terminal

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 $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

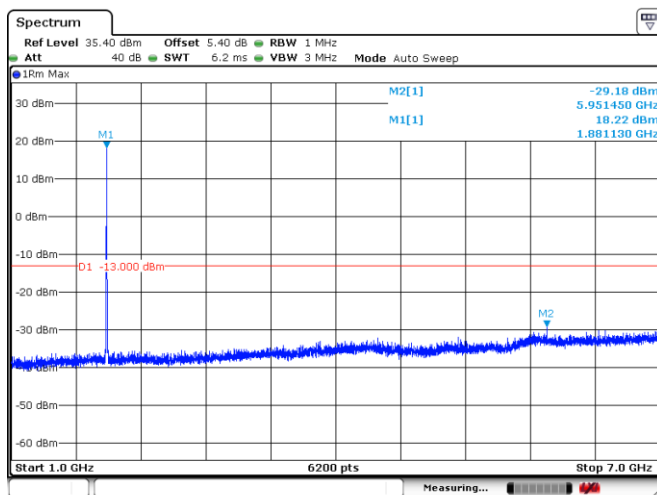
Remark2: only the worst case data displayed in this report.

6.1. Test Plots for QPSK





Date: 4 MAR 2020 02:50:53



Date: 4 MAR 2020 05:58:20

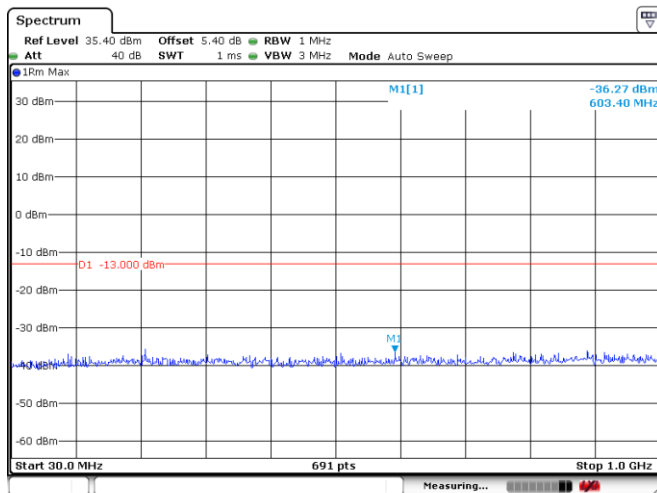
Band II_9538



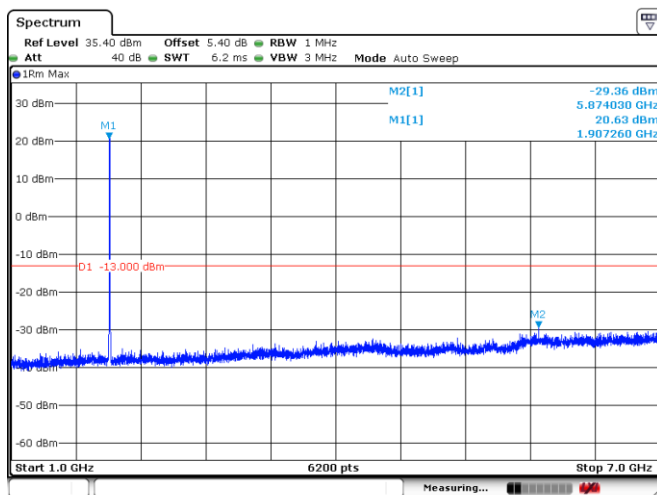
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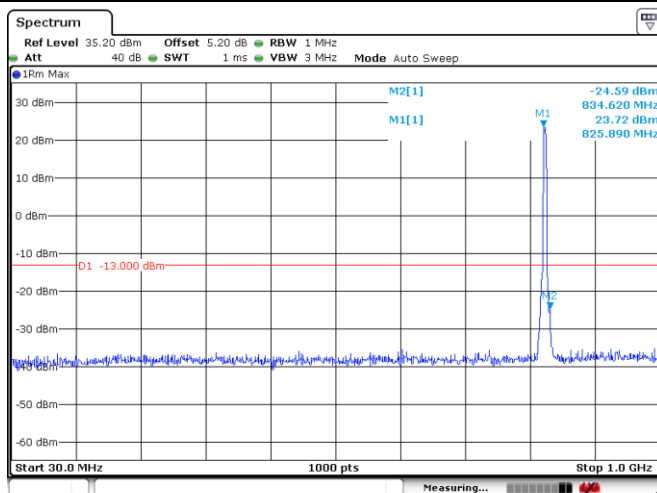
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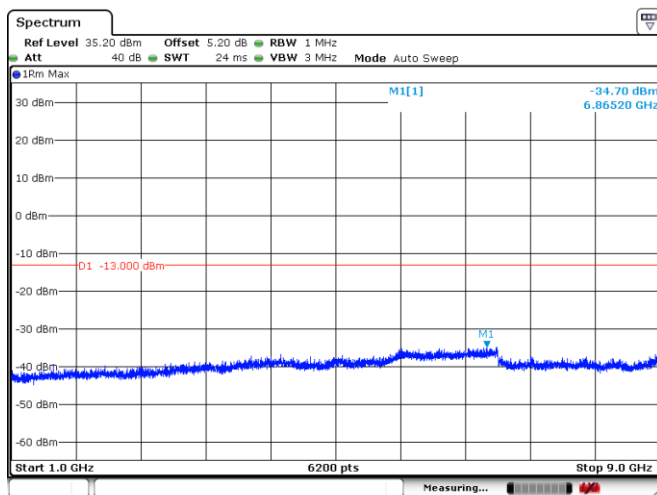
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Band V_4132





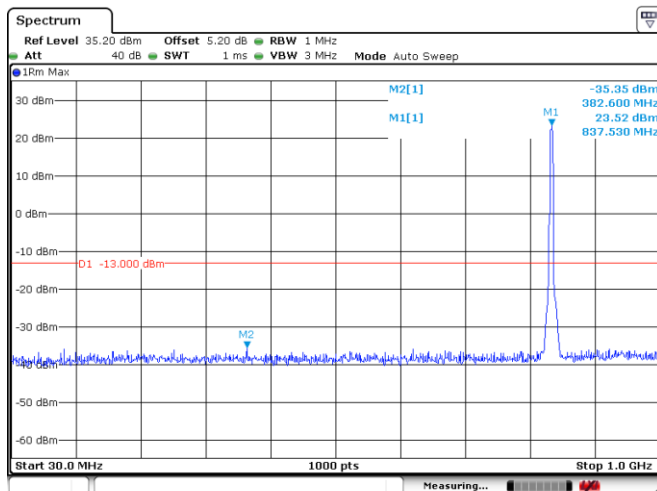
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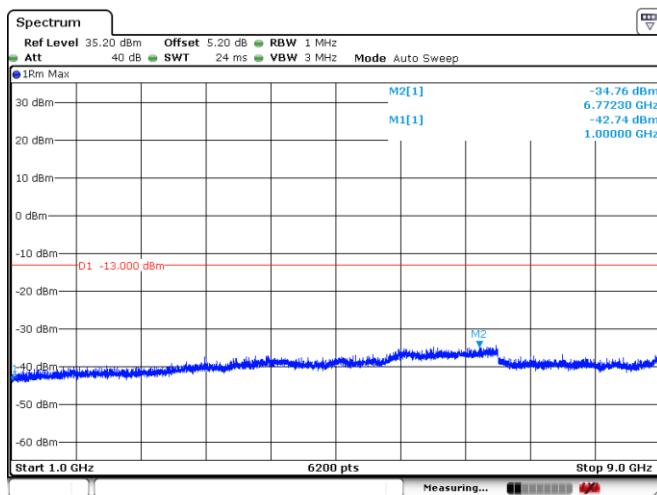
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Band V_4182





Date: 4 MAR 2020 03:36:14



Date: 4 MAR 2020 03:33:20

Band V_4233

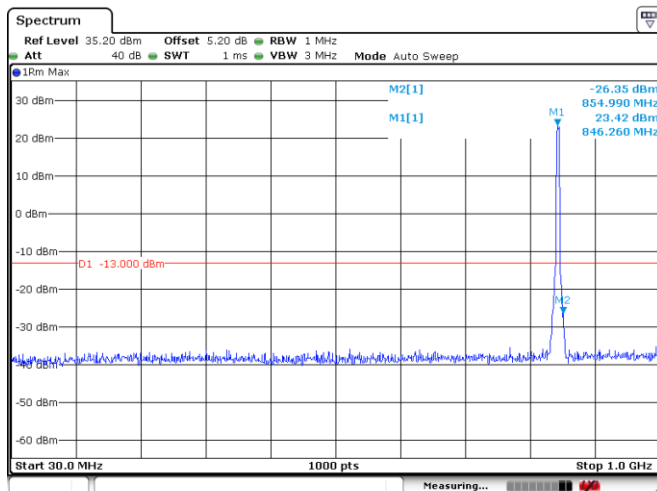


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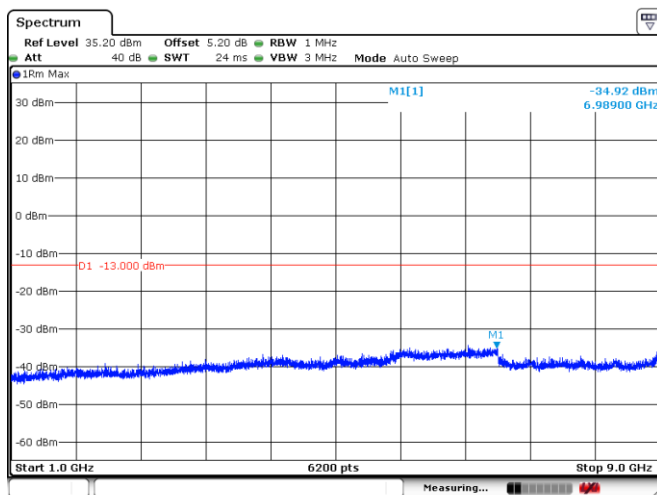
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Date: 4 MAR 2020 05:35:29



Date: 4 MAR 2020 05:36:01

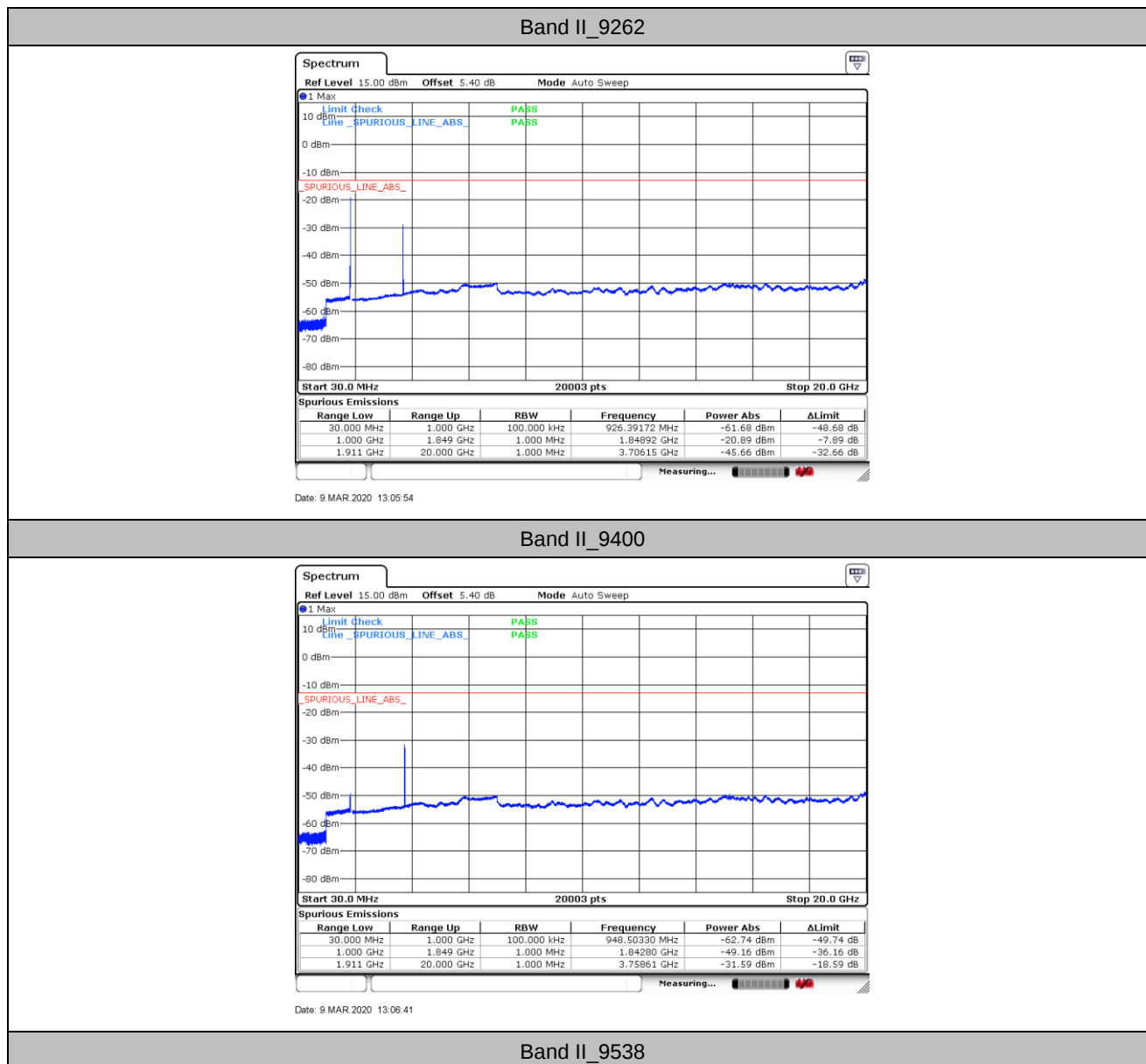


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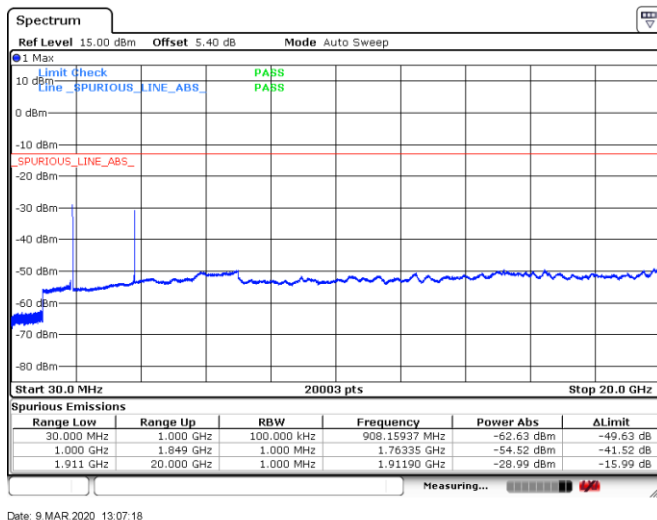
6.2. Test Plots for 16QAM



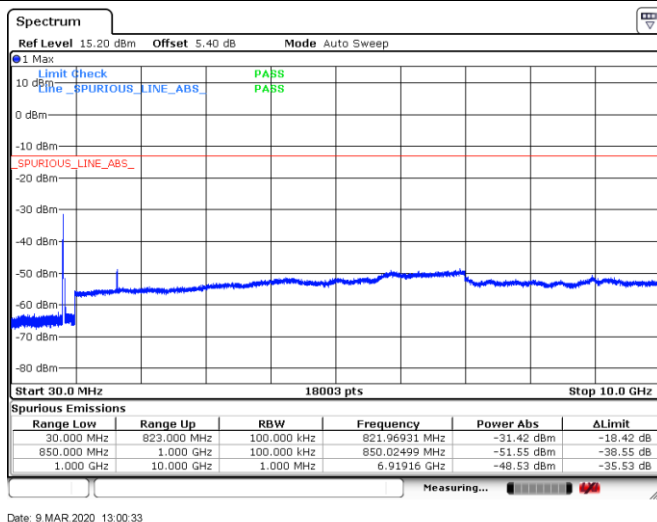
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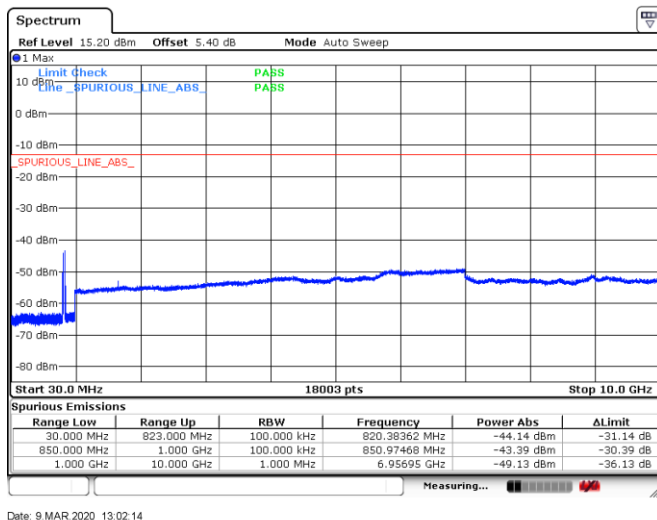


Band V_4132

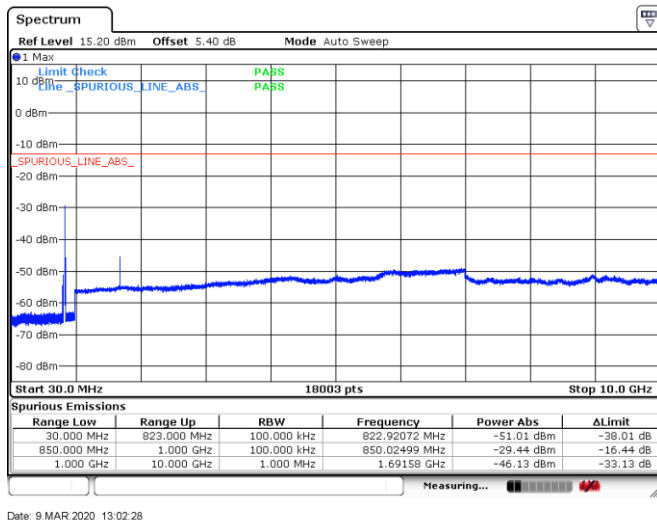


Band V_4182





Band V_4233





7. Field Strength of Spurious Radiation

7.1. Test Band = WCDMA Band II

7.1.1. Test Mode = LTE/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
114.9762	-64.34	-13.00	51.34	271	44	Vertical
527.4894	-66.32	-13.00	53.32	225	204	Vertical
2694.3389	-36.37	-13.00	23.37	263	240	Vertical
3706.5236	-51.67	-13.00	38.67	241	267	Vertical
7406.6469	-55.12	-13.00	42.12	287	76	Vertical
17993.9998	-40.64	-13.00	27.64	214	204	Vertical
44.5992	-64.14	-13.00	51.14	174	71	Horizontal
248.3579	-67.41	-13.00	54.41	165	71	Horizontal
2699.9400	-35.33	-13.00	22.33	184	118	Horizontal
3707.0236	-50.01	-13.00	37.01	166	265	Horizontal
9326.7109	-52.62	-13.00	39.62	194	265	Horizontal
16401.9467	-44.34	-13.00	31.34	175	297	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
72.1001	-66.76	-13.00	53.76	241	227	Vertical
112.5026	-64.39	-13.00	51.39	225	68	Vertical
391.4401	-67.17	-13.00	54.17	263	68	Vertical
3758.0253	-49.75	-13.00	36.75	271	259	Vertical
9401.2134	-49.82	-13.00	36.82	254	68	Vertical
14483.8828	-48.40	-13.00	35.40	289	355	Vertical
43.9687	-63.47	-13.00	50.47	184	325	Horizontal
227.9384	-67.33	-13.00	54.33	175	165	Horizontal
2700.3401	-35.45	-13.00	22.45	163	295	Horizontal
3758.5253	-49.09	-13.00	36.09	188	261	Horizontal



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10008.7336	-52.89	-13.00	39.89	179	261	Horizontal
16378.4459	-44.76	-13.00	31.76	169	356	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
110.3685	-64.65	-13.00	51.65	271	198	Vertical
337.9419	-66.78	-13.00	53.78	224	296	Vertical
2693.9388	-36.65	-13.00	23.65	256	88	Vertical
3813.0271	-49.58	-13.00	36.58	284	264	Vertical
7627.1542	-51.60	-13.00	38.60	271	101	Vertical
9542.2181	-46.85	-13.00	33.85	256	132	Vertical
41.3011	-64.44	-13.00	51.44	178	35	Horizontal
237.0084	-67.34	-13.00	54.34	156	103	Horizontal
2705.1410	-35.31	-13.00	22.31	174	35	Horizontal
3813.5271	-47.13	-13.00	34.13	152	198	Horizontal
5725.5909	-54.27	-13.00	41.27	165	262	Horizontal
9533.7178	-51.19	-13.00	38.19	195	357	Horizontal

7.2. Test Band = WCDMA Band V

7.2.1. Test Mode = LTE/TM1

7.2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
108.6224	-64.32	-13.00	51.32	271	196	Vertical
1654.1308	-60.68	-13.00	47.68	241	281	Vertical
2459.4919	-48.62	-13.00	35.62	255	183	Vertical
4127.0376	-54.81	-13.00	41.81	263	228	Vertical
9329.7110	-52.86	-13.00	39.86	284	323	Vertical
17998.5000	-40.71	-13.00	27.71	214	228	Vertical
42.3196	-63.88	-13.00	50.88	187	135	Horizontal
238.3179	-68.06	-13.00	55.06	163	103	Horizontal
1651.3303	-56.08	-13.00	43.08	284	356	Horizontal
2460.6921	-46.15	-13.00	33.15	175	167	Horizontal
4136.0379	-58.89	-13.00	45.89	126	230	Horizontal



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16360.9454	-44.45	-13.00	31.45	198	325	Horizontal
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7.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
108.4284	-65.01	-13.00	52.01	271	212	Vertical
323.0032	-68.52	-13.00	55.52	254	344	Vertical
2460.2921	-47.92	-13.00	34.92	263	80	Vertical
4187.5396	-55.40	-13.00	42.40	284	212	Vertical
9289.7097	-53.19	-13.00	40.19	259	280	Vertical
17999.0000	-40.63	-13.00	27.63	226	212	Vertical
44.8417	-64.14	-13.00	51.14	187	326	Horizontal
237.6874	-68.09	-13.00	55.09	175	294	Horizontal
1670.9342	-53.30	-13.00	40.30	145	353	Horizontal
2460.6921	-46.30	-13.00	33.30	169	106	Horizontal
4187.0396	-59.54	-13.00	46.54	175	263	Horizontal
16399.4466	-44.32	-13.00	31.32	189	357	Horizontal

7.2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
73.1672	-67.77	-13.00	54.77	271	171	Vertical
109.3500	-64.39	-13.00	51.39	265	266	Vertical
317.3769	-68.70	-13.00	55.70	248	36	Vertical
3000.0000	-55.54	-13.00	42.54	214	294	Vertical
4227.5409	-55.43	-13.00	42.43	296	203	Vertical
14497.3832	-48.45	-13.00	35.45	271	303	Vertical
45.6178	-63.94	-13.00	50.94	174	68	Horizontal
247.8244	-67.74	-13.00	54.74	251	36	Horizontal
1690.9382	-53.74	-13.00	40.74	157	24	Horizontal
4228.5410	-57.34	-13.00	44.34	165	228	Horizontal
9305.2102	-52.71	-13.00	39.71	194	260	Horizontal
16373.9458	-44.73	-13.00	31.73	178	100	Horizontal

Remark:



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- 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	Modulation	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	QPSK	9262	VL	TN	11.69	0.006309	±2.5	PASS
Band II	QPSK	9262	VN	TN	11.31	0.006105	±2.5	PASS
Band II	QPSK	9262	VH	TN	11.49	0.006205	±2.5	PASS
Band II	QPSK	9400	VL	TN	12.16	0.006468	±2.5	PASS
Band II	QPSK	9400	VN	TN	12.67	0.006742	±2.5	PASS
Band II	QPSK	9400	VH	TN	11.86	0.006308	±2.5	PASS
Band II	QPSK	9538	VL	TN	8.13	0.004259	±2.5	PASS
Band II	QPSK	9538	VN	TN	8.95	0.004691	±2.5	PASS
Band II	QPSK	9538	VH	TN	9.39	0.004923	±2.5	PASS
Band II	16QAM	9262	VL	TN	12.15	0.006560	±2.5	PASS
Band II	16QAM	9262	VN	TN	12.69	0.006850	±2.5	PASS
Band II	16QAM	9262	VH	TN	13.34	0.007201	±2.5	PASS
Band II	16QAM	9400	VL	TN	12.27	0.006525	±2.5	PASS
Band II	16QAM	9400	VN	TN	13.73	0.007305	±2.5	PASS
Band II	16QAM	9400	VH	TN	13.98	0.007438	±2.5	PASS
Band II	16QAM	9538	VL	TN	8.77	0.004597	±2.5	PASS
Band II	16QAM	9538	VN	TN	7.95	0.004166	±2.5	PASS
Band II	16QAM	9538	VH	TN	7.97	0.004177	±2.5	PASS
Band V	QPSK	4132	VL	TN	-0.69	-0.000831	±2.5	PASS
Band V	QPSK	4132	VN	TN	-1.58	-0.001913	±2.5	PASS
Band V	QPSK	4132	VH	TN	-0.21	-0.000260	±2.5	PASS
Band V	QPSK	4182	VL	TN	-0.11	-0.000128	±2.5	PASS
Band V	QPSK	4182	VN	TN	-0.34	-0.000402	±2.5	PASS
Band V	QPSK	4182	VH	TN	-0.21	-0.000248	±2.5	PASS
Band V	QPSK	4233	VL	TN	-0.36	-0.000431	±2.5	PASS
Band V	QPSK	4233	VN	TN	0.05	0.000059	±2.5	PASS
Band V	QPSK	4233	VH	TN	-1.04	-0.001233	±2.5	PASS
Band V	16QAM	4132	VL	TN	-2.05	-0.002475	±2.5	PASS
Band V	16QAM	4132	VN	TN	-2.99	-0.003618	±2.5	PASS
Band V	16QAM	4132	VH	TN	-2.43	-0.002943	±2.5	PASS
Band V	16QAM	4182	VL	TN	-0.73	-0.000872	±2.5	PASS
Band V	16QAM	4182	VN	TN	-1.82	-0.002181	±2.5	PASS
Band V	16QAM	4182	VH	TN	-1.65	-0.001975	±2.5	PASS
Band V	16QAM	4233	VL	TN	-1.72	-0.002028	±2.5	PASS
Band V	16QAM	4233	VN	TN	-1.82	-0.002154	±2.5	PASS
Band V	16QAM	4233	VH	TN	-2.12	-0.002501	±2.5	PASS



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8.2. Frequency Vs Temperature

Band	Modulation	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	QPSK	9262	VN	-30	9.78	0.005282	±2.5	PASS
Band II	QPSK	9262	VN	-20	11.94	0.006444	±2.5	PASS
Band II	QPSK	9262	VN	-10	11.77	0.006356	±2.5	PASS
Band II	QPSK	9262	VN	0	12.59	0.006796	±2.5	PASS
Band II	QPSK	9262	VN	10	9.27	0.005004	±2.5	PASS
Band II	QPSK	9262	VN	20	11.71	0.006321	±2.5	PASS
Band II	QPSK	9262	VN	30	11.30	0.006101	±2.5	PASS
Band II	QPSK	9262	VN	40	11.22	0.006058	±2.5	PASS
Band II	QPSK	9262	VN	50	11.42	0.006166	±2.5	PASS
Band II	QPSK	9400	VN	-30	11.54	0.006141	±2.5	PASS
Band II	QPSK	9400	VN	-20	12.84	0.006829	±2.5	PASS
Band II	QPSK	9400	VN	-10	11.89	0.006327	±2.5	PASS
Band II	QPSK	9400	VN	0	11.17	0.005943	±2.5	PASS
Band II	QPSK	9400	VN	10	11.06	0.005882	±2.5	PASS
Band II	QPSK	9400	VN	20	13.04	0.006936	±2.5	PASS
Band II	QPSK	9400	VN	30	12.39	0.006589	±2.5	PASS
Band II	QPSK	9400	VN	40	11.82	0.006289	±2.5	PASS
Band II	QPSK	9400	VN	50	11.87	0.006316	±2.5	PASS
Band II	QPSK	9538	VN	-30	9.93	0.005208	±2.5	PASS
Band II	QPSK	9538	VN	-20	8.03	0.004207	±2.5	PASS
Band II	QPSK	9538	VN	-10	10.59	0.005553	±2.5	PASS
Band II	QPSK	9538	VN	0	9.58	0.005021	±2.5	PASS
Band II	QPSK	9538	VN	10	9.51	0.004987	±2.5	PASS
Band II	QPSK	9538	VN	20	10.01	0.005246	±2.5	PASS
Band II	QPSK	9538	VN	30	9.03	0.004732	±2.5	PASS
Band II	QPSK	9538	VN	40	9.52	0.004991	±2.5	PASS
Band II	QPSK	9538	VN	50	9.58	0.005021	±2.5	PASS
Band II	16QAM	9262	VN	-30	13.64	0.007363	±2.5	PASS
Band II	16QAM	9262	VN	-20	13.88	0.007495	±2.5	PASS
Band II	16QAM	9262	VN	-10	12.83	0.006927	±2.5	PASS
Band II	16QAM	9262	VN	0	13.57	0.007325	±2.5	PASS
Band II	16QAM	9262	VN	10	12.95	0.006989	±2.5	PASS
Band II	16QAM	9262	VN	20	13.44	0.007255	±2.5	PASS
Band II	16QAM	9262	VN	30	13.73	0.007410	±2.5	PASS
Band II	16QAM	9262	VN	40	13.73	0.007414	±2.5	PASS
Band II	16QAM	9262	VN	50	12.02	0.006491	±2.5	PASS
Band II	16QAM	9400	VN	-30	13.20	0.007019	±2.5	PASS
Band II	16QAM	9400	VN	-20	12.86	0.006841	±2.5	PASS
Band II	16QAM	9400	VN	-10	13.44	0.007149	±2.5	PASS
Band II	16QAM	9400	VN	0	13.28	0.007061	±2.5	PASS
Band II	16QAM	9400	VN	10	13.58	0.007225	±2.5	PASS
Band II	16QAM	9400	VN	20	13.38	0.007115	±2.5	PASS



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Band II	16QAM	9400	VN	40	13.46	0.007160	±2.5	PASS
Band II	16QAM	9400	VN	50	13.15	0.006997	±2.5	PASS
Band II	16QAM	9538	VN	-30	8.15	0.004274	±2.5	PASS
Band II	16QAM	9538	VN	-20	7.45	0.003907	±2.5	PASS
Band II	16QAM	9538	VN	-10	7.34	0.003847	±2.5	PASS
Band II	16QAM	9538	VN	0	8.80	0.004612	±2.5	PASS
Band II	16QAM	9538	VN	10	8.45	0.004432	±2.5	PASS
Band II	16QAM	9538	VN	20	7.93	0.004158	±2.5	PASS
Band II	16QAM	9538	VN	30	7.94	0.004162	±2.5	PASS
Band II	16QAM	9538	VN	40	8.30	0.004353	±2.5	PASS
Band II	16QAM	9538	VN	50	7.63	0.004001	±2.5	PASS
Band V	QPSK	4132	VN	-30	-0.06	-0.000078	±2.5	PASS
Band V	QPSK	4132	VN	-20	-0.63	-0.000762	±2.5	PASS
Band V	QPSK	4132	VN	-10	0.01	0.000009	±2.5	PASS
Band V	QPSK	4132	VN	0	-0.21	-0.000251	±2.5	PASS
Band V	QPSK	4132	VN	10	-1.04	-0.001255	±2.5	PASS
Band V	QPSK	4132	VN	20	-0.71	-0.000857	±2.5	PASS
Band V	QPSK	4132	VN	30	0.06	0.000069	±2.5	PASS
Band V	QPSK	4132	VN	40	-0.19	-0.000234	±2.5	PASS
Band V	QPSK	4132	VN	50	-0.11	-0.000138	±2.5	PASS
Band V	QPSK	4182	VN	-30	0.84	0.001001	±2.5	PASS
Band V	QPSK	4182	VN	-20	0.65	0.000778	±2.5	PASS
Band V	QPSK	4182	VN	-10	-0.17	-0.000205	±2.5	PASS
Band V	QPSK	4182	VN	0	0.45	0.000539	±2.5	PASS
Band V	QPSK	4182	VN	10	-0.64	-0.000761	±2.5	PASS
Band V	QPSK	4182	VN	20	-0.04	-0.000051	±2.5	PASS
Band V	QPSK	4182	VN	30	-0.26	-0.000308	±2.5	PASS
Band V	QPSK	4182	VN	40	-0.25	-0.000299	±2.5	PASS
Band V	QPSK	4182	VN	50	0.27	0.000325	±2.5	PASS
Band V	QPSK	4233	VN	-30	-0.73	-0.000862	±2.5	PASS
Band V	QPSK	4233	VN	-20	-0.92	-0.001090	±2.5	PASS
Band V	QPSK	4233	VN	-10	-1.09	-0.001284	±2.5	PASS
Band V	QPSK	4233	VN	0	-0.53	-0.000625	±2.5	PASS
Band V	QPSK	4233	VN	10	-0.73	-0.000862	±2.5	PASS
Band V	QPSK	4233	VN	20	-0.74	-0.000870	±2.5	PASS
Band V	QPSK	4233	VN	30	-0.33	-0.000389	±2.5	PASS
Band V	QPSK	4233	VN	40	-0.74	-0.000879	±2.5	PASS
Band V	QPSK	4233	VN	50	-1.04	-0.001225	±2.5	PASS
Band V	16QAM	4132	VN	-30	-2.43	-0.002943	±2.5	PASS
Band V	16QAM	4132	VN	-20	-3.13	-0.003782	±2.5	PASS
Band V	16QAM	4132	VN	-10	-2.42	-0.002934	±2.5	PASS
Band V	16QAM	4132	VN	0	-3.44	-0.004163	±2.5	PASS
Band V	16QAM	4132	VN	10	-1.77	-0.002146	±2.5	PASS
Band V	16QAM	4132	VN	20	-1.90	-0.002302	±2.5	PASS
Band V	16QAM	4132	VN	30	-1.96	-0.002371	±2.5	PASS
Band V	16QAM	4132	VN	40	-2.47	-0.002986	±2.5	PASS



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Band V	16QAM	4132	VN	50	-2.29	-0.002770	±2.5	PASS
Band V	16QAM	4182	VN	-30	-0.06	-0.000068	±2.5	PASS
Band V	16QAM	4182	VN	-20	-1.07	-0.001283	±2.5	PASS
Band V	16QAM	4182	VN	-10	-0.89	-0.001060	±2.5	PASS
Band V	16QAM	4182	VN	0	-0.66	-0.000787	±2.5	PASS
Band V	16QAM	4182	VN	10	-0.97	-0.001163	±2.5	PASS
Band V	16QAM	4182	VN	20	-0.70	-0.000838	±2.5	PASS
Band V	16QAM	4182	VN	30	-1.33	-0.001591	±2.5	PASS
Band V	16QAM	4182	VN	40	-1.08	-0.001291	±2.5	PASS
Band V	16QAM	4182	VN	50	-1.85	-0.002215	±2.5	PASS
Band V	16QAM	4233	VN	-30	-2.02	-0.002391	±2.5	PASS
Band V	16QAM	4233	VN	-20	-1.71	-0.002019	±2.5	PASS
Band V	16QAM	4233	VN	-10	-2.05	-0.002425	±2.5	PASS
Band V	16QAM	4233	VN	0	-2.15	-0.002535	±2.5	PASS
Band V	16QAM	4233	VN	10	-1.84	-0.002171	±2.5	PASS
Band V	16QAM	4233	VN	20	-1.44	-0.001698	±2.5	PASS
Band V	16QAM	4233	VN	30	-1.95	-0.002306	±2.5	PASS
Band V	16QAM	4233	VN	40	-1.87	-0.002205	±2.5	PASS
Band V	16QAM	4233	VN	50	-1.97	-0.002332	±2.5	PASS

The End



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