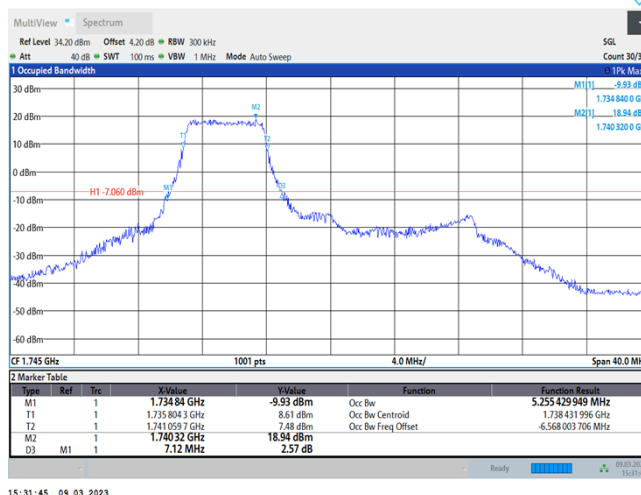


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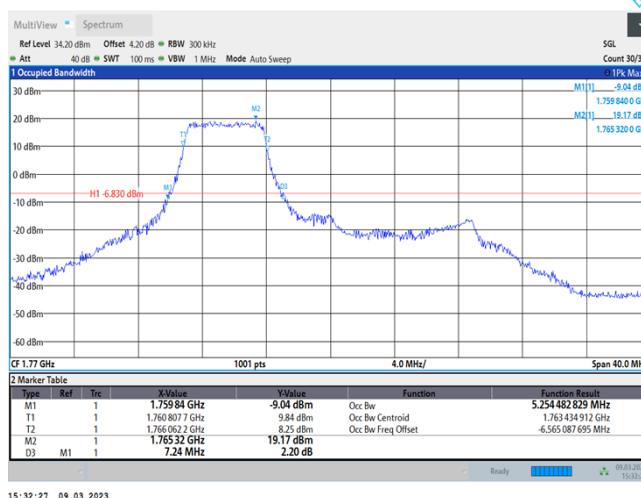
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Band66-20MHz-16QAM-132322-27RB#0



Band66-20MHz-16QAM-132572-27RB#0



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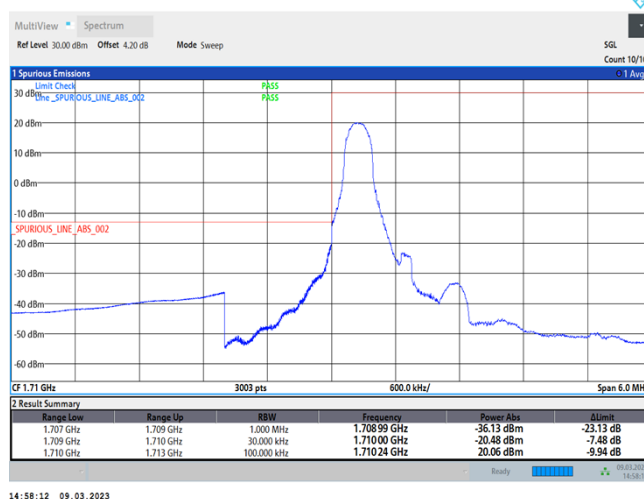
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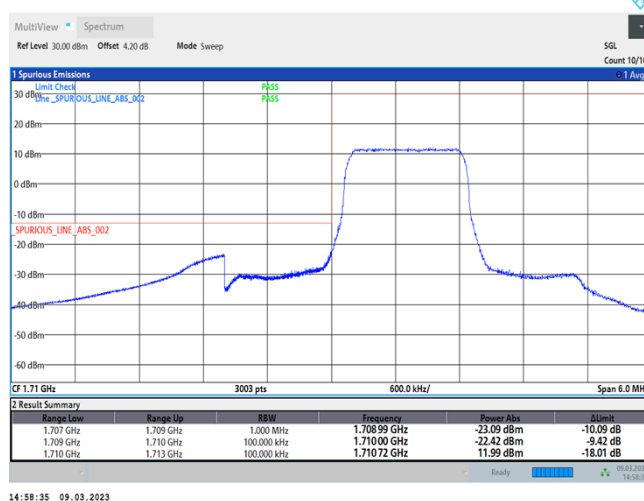
Band Edge

Test Graphs

Band66-1.4MHz-QPSK-131979-1RB#0



Band66-1.4MHz-QPSK-131979-6RB#0



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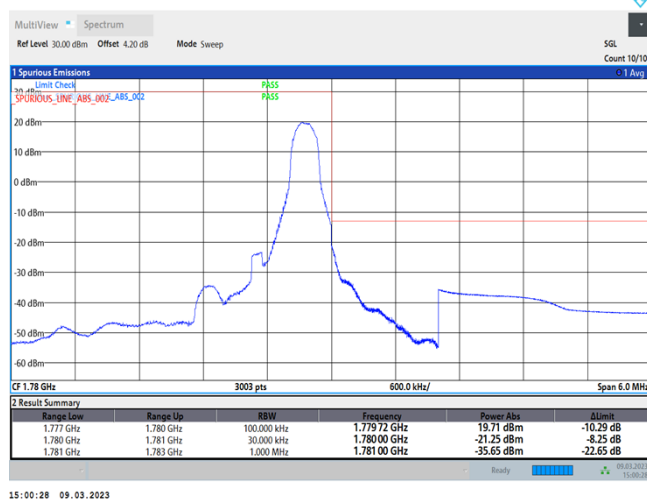
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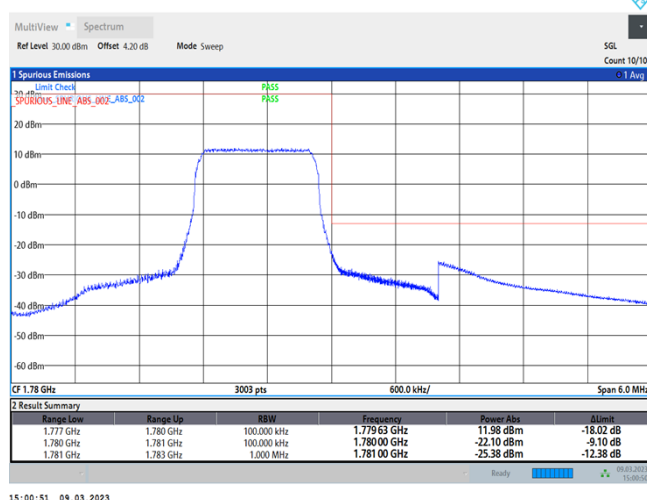
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Band66-1.4MHz-QPSK-132665-1RB#5



Band66-1.4MHz-QPSK-132665-6RB#0



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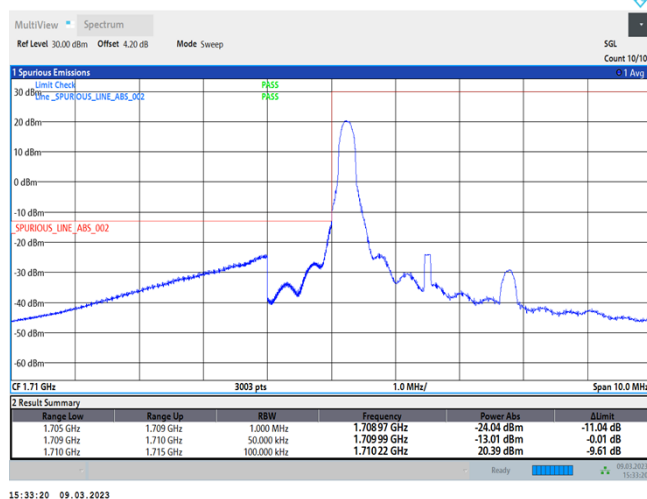
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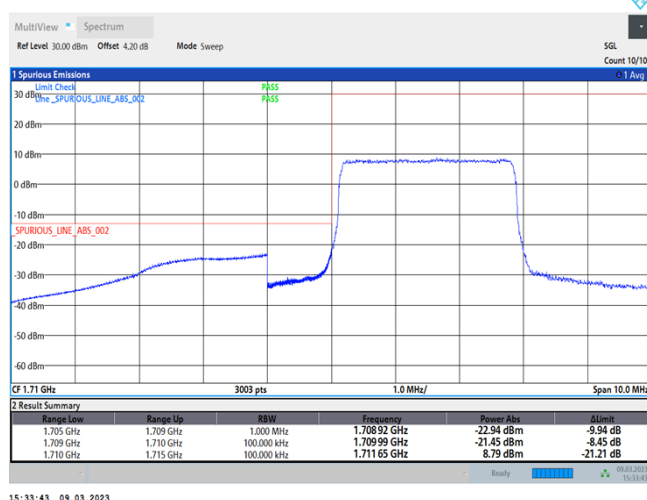
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Band66-3MHz-QPSK-131987-1RB#0



Band66-3MHz-QPSK-131987-15RB#0



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Band66-3MHz-QPSK-132657-1RB#14



Band66-3MHz-QPSK-132657-15RB#0



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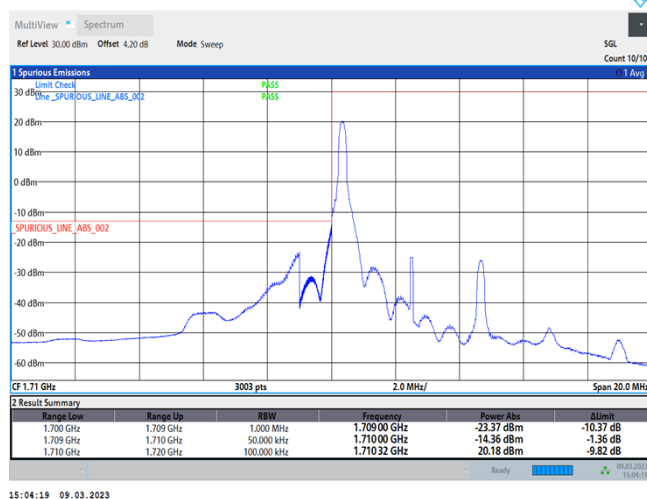
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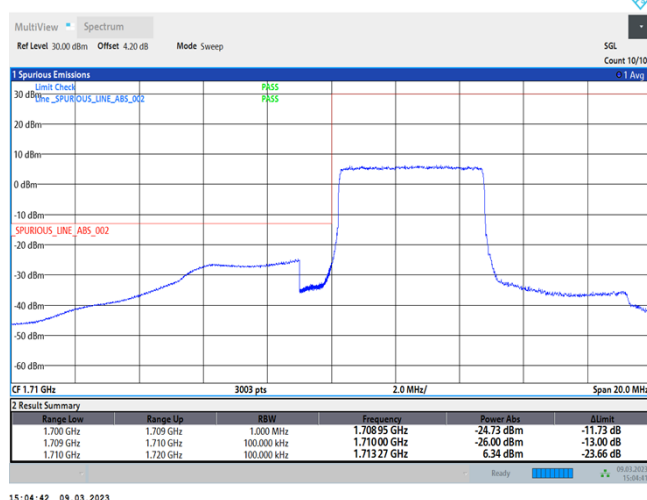
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Band66-5MHz-QPSK-131997-1RB#0



Band66-5MHz-QPSK-131997-25RB#0



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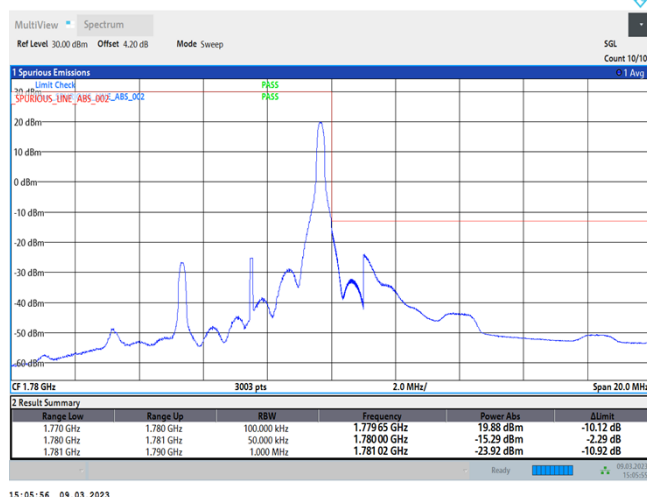
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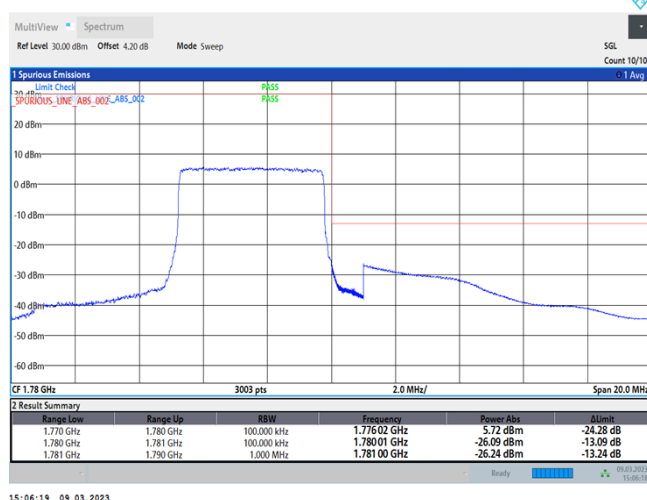
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Band66-5MHz-QPSK-132647-1RB#24



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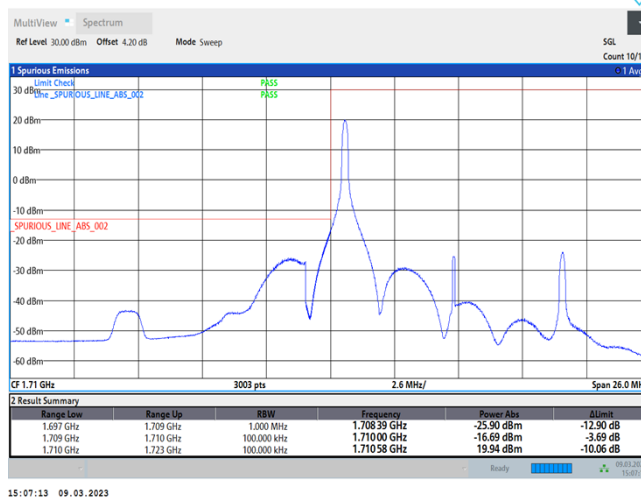
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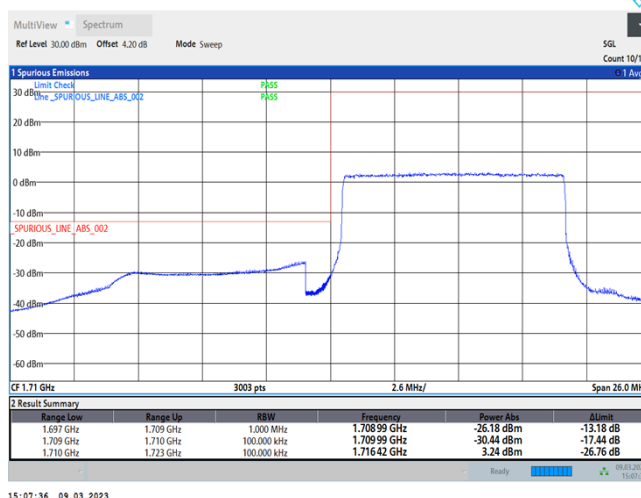
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Band66-10MHz-QPSK-132022-1RB#0



Band66-10MHz-QPSK-132022-50RB#0



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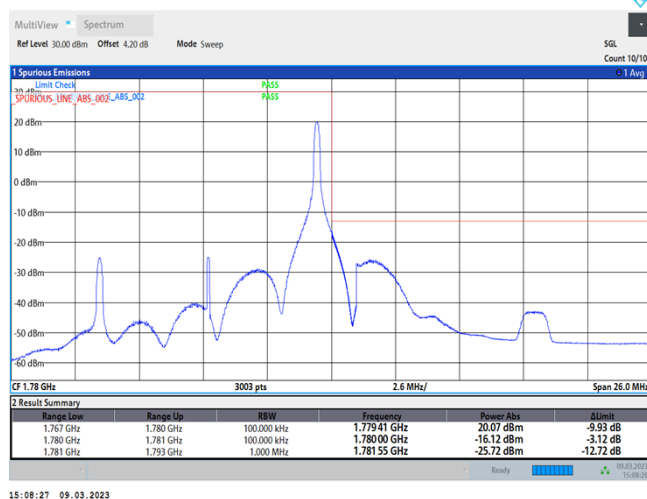
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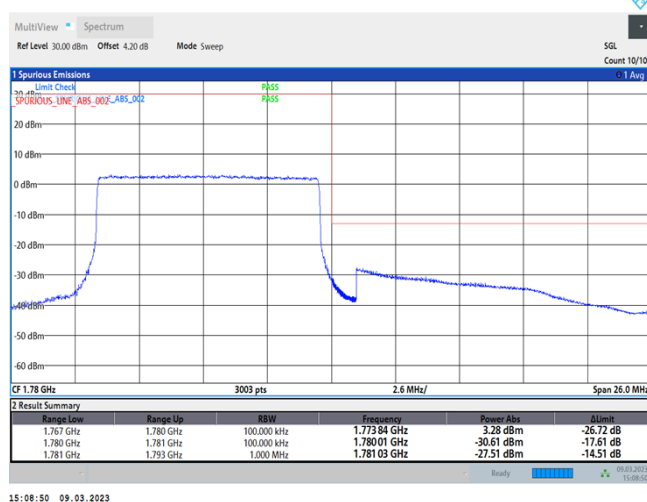
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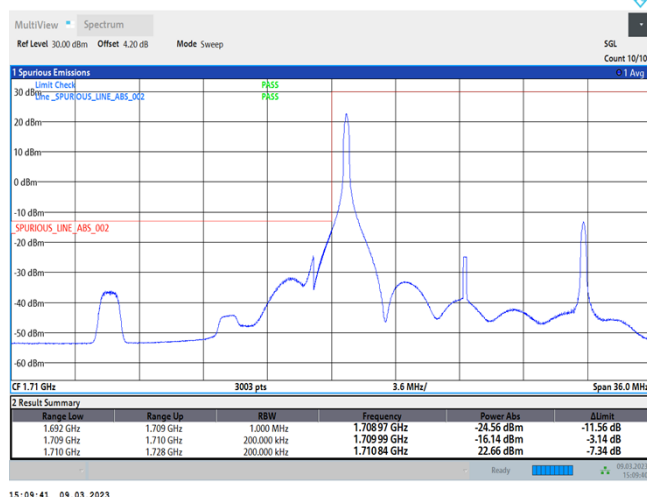
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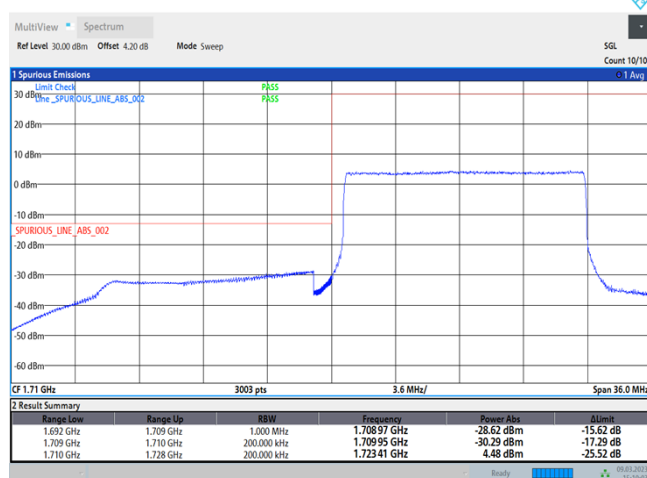
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Band66-15MHz-QPSK-132047-1RB#0



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Band66-15MHz-QPSK-132047-75RB#0



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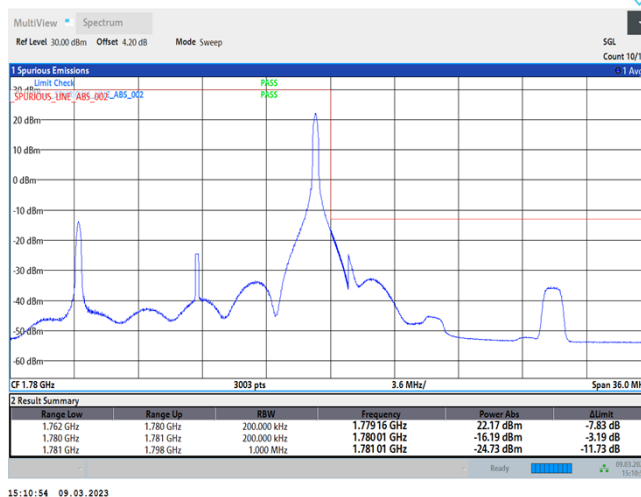
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Band66-15MHz-QPSK-132597-1RB#74



Band66-15MHz-QPSK-132597-75RB#0



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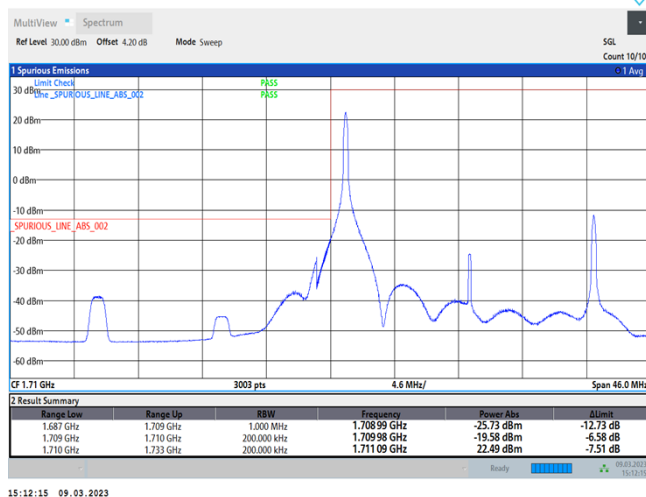
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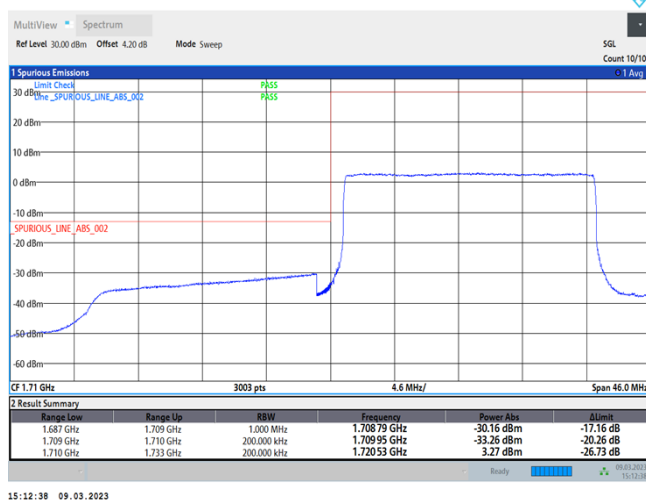
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Band66-20MHz-QPSK-132072-100RB#0



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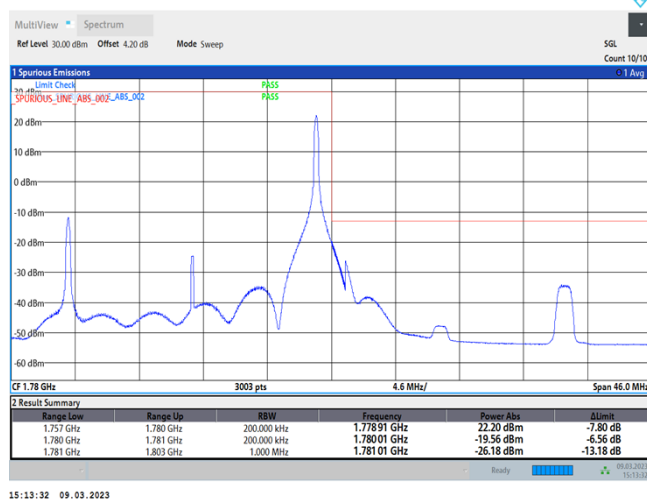
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Band66-20MHz-QPSK-132572-1RB#99



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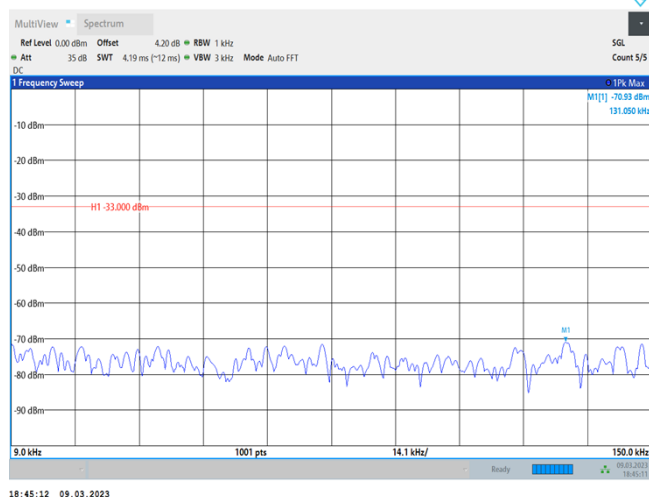
Rev.: 01

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Conducted Spurious Emission

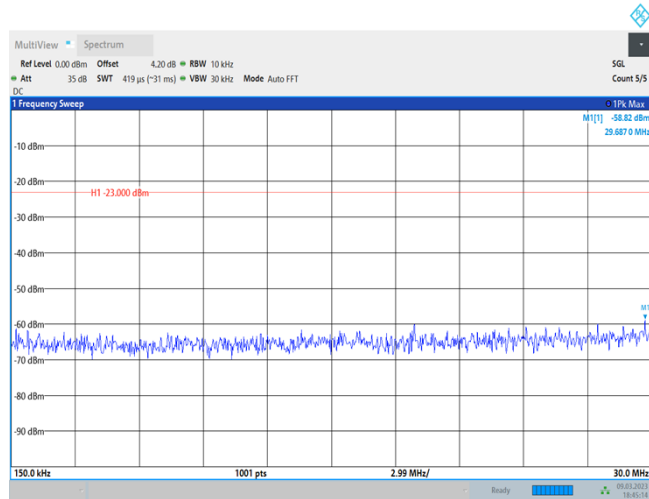
Test Graphs

Band66-20MHz-QPSK-132072-1RB#0-Range1:0.009~0.15MHz



18:45:12 09.03.2023

Band66-20MHz-QPSK-132072-1RB#0-Range2:0.15~30MHz



18:45:15 09.03.2023



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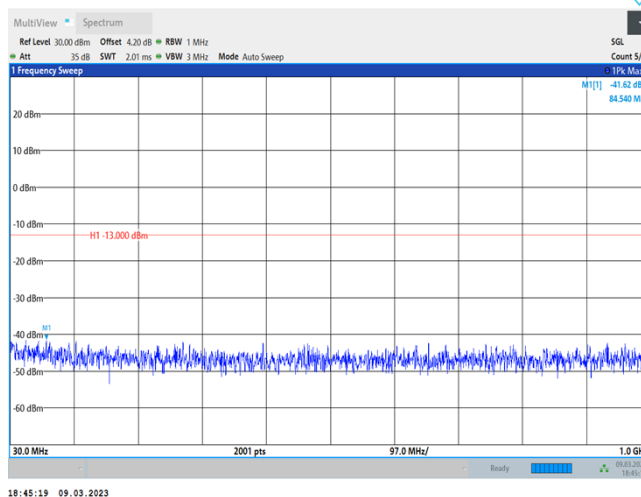
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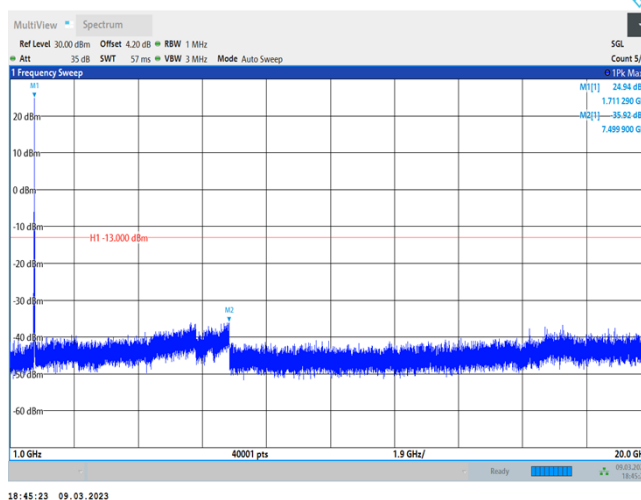
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Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132072-1RB#0-Range4:1000~20000MHz



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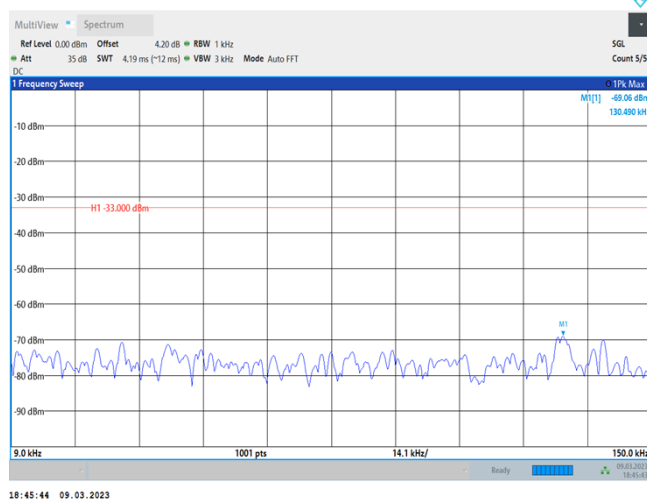
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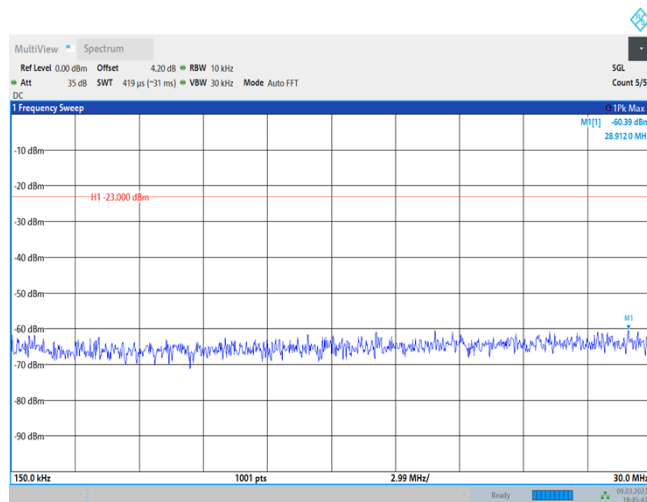
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Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



18:45:44 09.03.2023

Band66-20MHz-QPSK-132322-1RB#0-Range2:0.15~30MHz



18:45:47 09.03.2023



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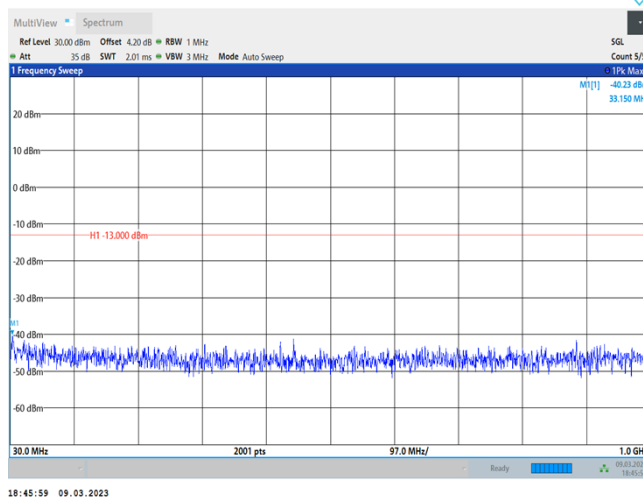
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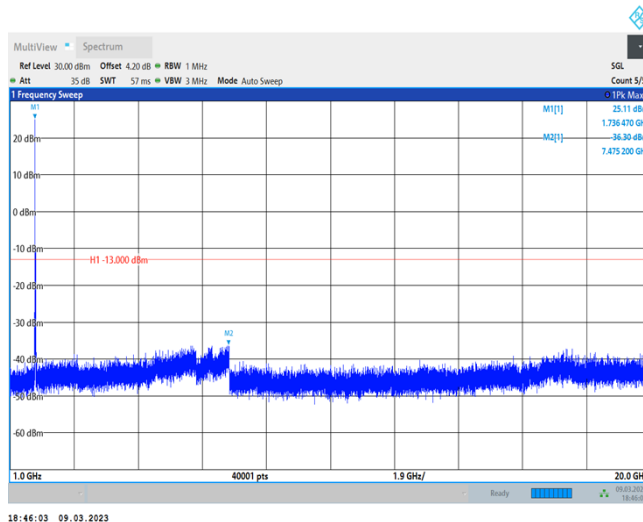
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Band66-20MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~20000MHz



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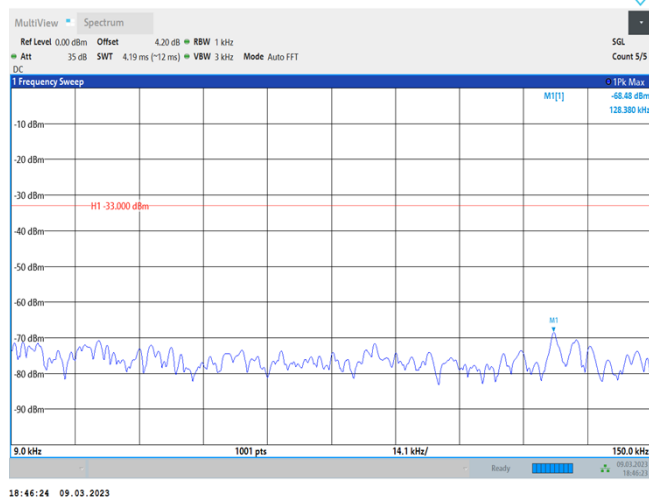
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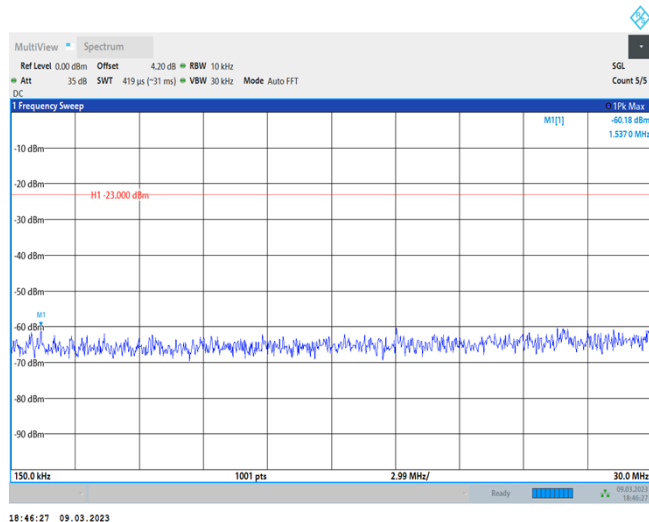
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Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132572-1RB#0-Range2:0.15~30MHz



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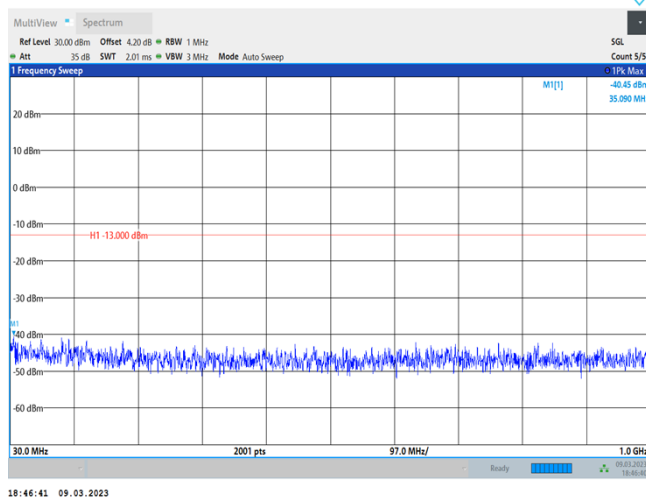
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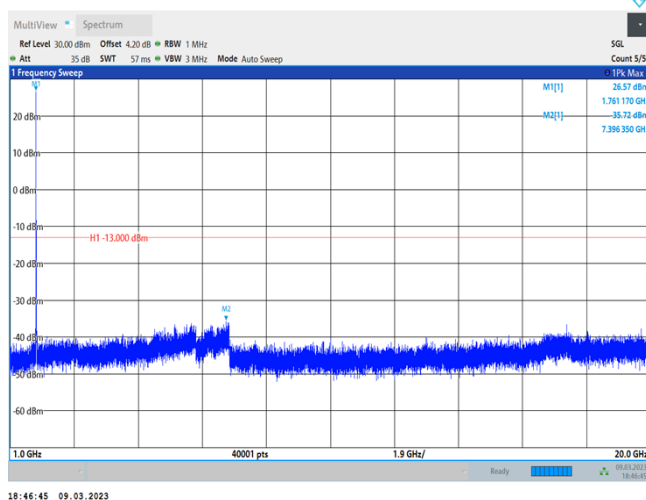
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Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 66_QPSK_20MHz_TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.25	63.22	-45.88	29.43	-48.49	-13.00	35.49	164	314	Horizontal
2	5106.27	40.70	-44.28	32.60	-66.24	-13.00	53.24	156	3	Horizontal
3	6808.36	39.70	-42.55	35.82	-62.29	-13.00	49.29	213	199	Horizontal
4	8510.45	36.46	-39.54	38.06	-60.28	-13.00	47.28	286	360	Horizontal
5	10212.54	35.21	-36.59	38.73	-57.90	-13.00	44.90	156	358	Horizontal
6	11914.63	30.14	-35.10	38.68	-61.54	-13.00	48.54	179	50	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.25	62.80	-45.88	29.43	-48.91	-13.00	35.91	183	282	Vertical
2	5133	45.42	-44.24	32.60	-61.48	-13.00	48.48	162	48	Vertical
3	6808.36	39.76	-42.55	35.82	-62.23	-13.00	49.23	259	332	Vertical
4	8510.45	37.22	-39.54	38.06	-59.52	-13.00	46.52	234	199	Vertical
5	10212.54	35.43	-36.59	38.73	-57.68	-13.00	44.68	151	132	Vertical
6	11914.63	29.85	-35.10	38.68	-61.83	-13.00	48.83	219	182	Vertical



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Test Band = LTE Band 66_QPSK_20MHz_TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.5	60.52	-45.76	29.41	-51.09	-13.00	38.09	147	313	Horizontal
2	5181.27	41.75	-44.18	32.60	-65.09	-13.00	52.09	263	264	Horizontal
3	6908.36	40.59	-42.44	36.02	-61.10	-13.00	48.10	285	358	Horizontal
4	8635.45	35.77	-39.66	38.20	-60.95	-13.00	47.95	149	213	Horizontal
5	10362.54	33.32	-36.60	38.90	-59.65	-13.00	46.65	156	213	Horizontal
6	12089.63	32.64	-35.20	38.69	-59.13	-13.00	46.13	183	359	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.5	61.04	-45.76	29.41	-50.57	-13.00	37.57	158	314	Vertical
2	5181.27	41.63	-44.18	32.60	-65.21	-13.00	52.21	299	33	Vertical
3	6908.36	40.17	-42.44	36.02	-61.52	-13.00	48.52	143	360	Vertical
4	8635.45	35.80	-39.66	38.20	-60.92	-13.00	47.92	265	345	Vertical
5	10362.54	33.11	-36.60	38.90	-59.86	-13.00	46.86	158	247	Vertical
6	12089.63	33.35	-35.20	38.69	-58.42	-13.00	45.42	241	3	Vertical



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Test Band = LTE Band 66_QPSK_20MHz_TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522	58.98	-45.59	29.45	-52.41	-13.00	39.41	164	314	Horizontal
2	5256.27	40.69	-44.07	32.60	-66.04	-13.00	53.04	275	358	Horizontal
3	7008.36	39.54	-42.58	36.21	-62.09	-13.00	49.09	218	358	Horizontal
4	8760.45	34.99	-39.21	38.34	-61.15	-13.00	48.15	295	33	Horizontal
5	10512.54	31.66	-36.36	39.06	-60.90	-13.00	47.90	146	297	Horizontal
6	12262.63	31.47	-35.13	38.86	-60.06	-13.00	47.06	233	247	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522	61.42	-45.59	29.45	-49.97	-13.00	36.97	184	360	Vertical
2	5256.27	39.98	-44.07	32.60	-66.75	-13.00	53.75	176	326	Vertical
3	7008.36	39.86	-42.58	36.21	-61.77	-13.00	48.77	239	360	Vertical
4	8760.45	35.48	-39.21	38.34	-60.66	-13.00	47.66	284	162	Vertical
5	10512.54	31.66	-36.36	39.06	-60.90	-13.00	47.90	156	359	Vertical
6	12262.63	31.20	-35.13	38.86	-60.33	-13.00	47.33	241	81	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-5.10	-0.002923	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-5.40	-0.003095	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-7.30	-0.004183	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-5.10	-0.002923	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-2.60	-0.001490	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-3.60	-0.002063	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-0.10	-0.000057	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-1.40	-0.000802	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-1.50	-0.000860	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-1.80	-0.001032	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-3.40	-0.001948	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-0.10	-0.000057	PASS

---End of Attachment---



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