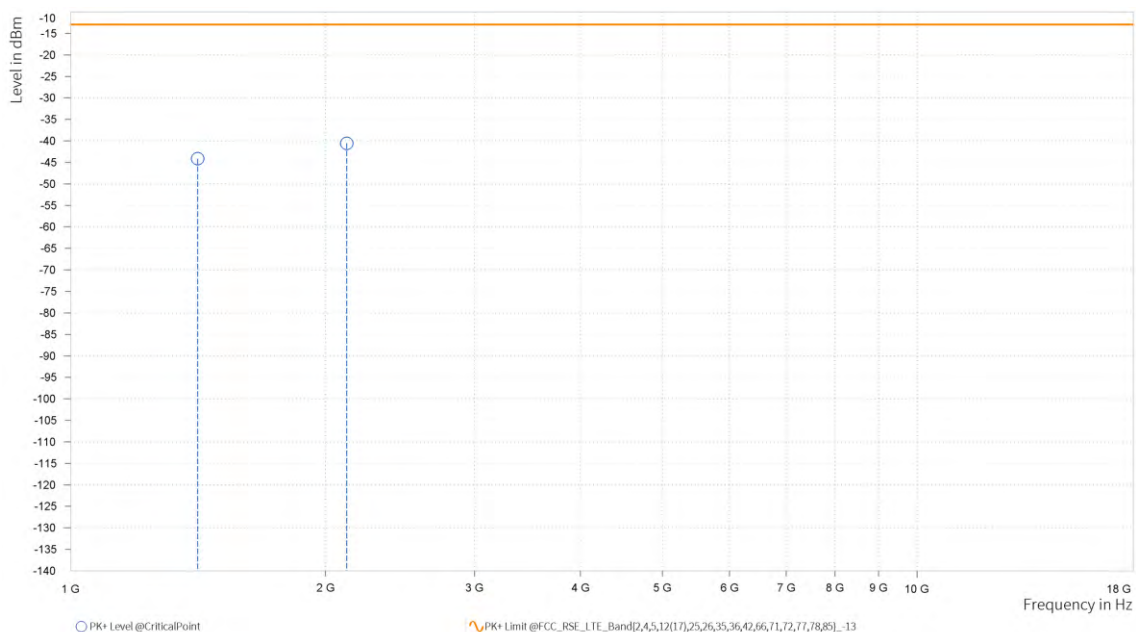


CHANNEL BANDWIDTH: 3MHz / QPSK

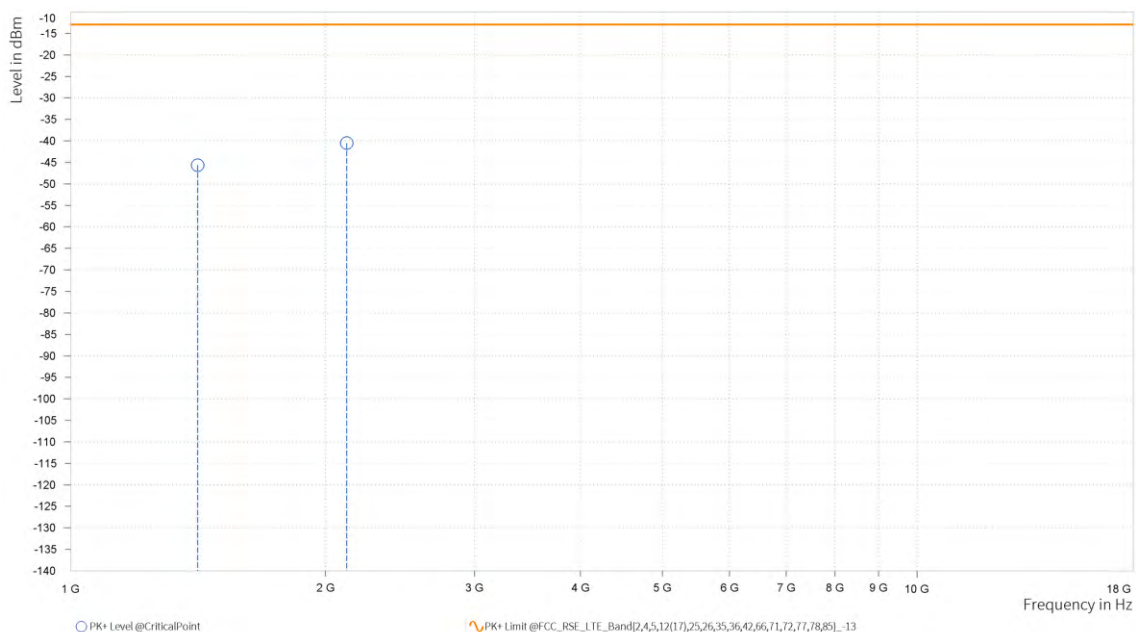
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,412.300	-44.17	-13.00	31.17	23.85	H	56.7	1.00
2	2,118.450	-40.57	-13.00	27.57	28.92	H	358.4	1.00



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

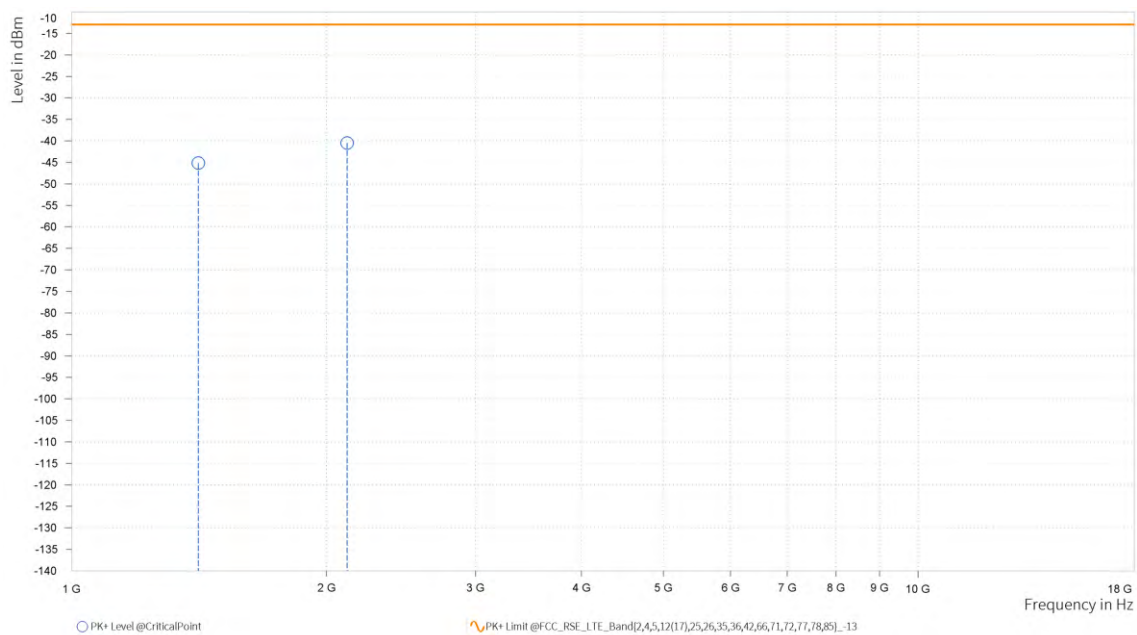
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,412.300	-45.63	-13.00	32.63	23.52	V	286.2	1.00
2	2,118.450	-40.52	-13.00	27.52	29.53	V	75	2.00



CHANNEL BANDWIDTH: 5MHz / QPSK

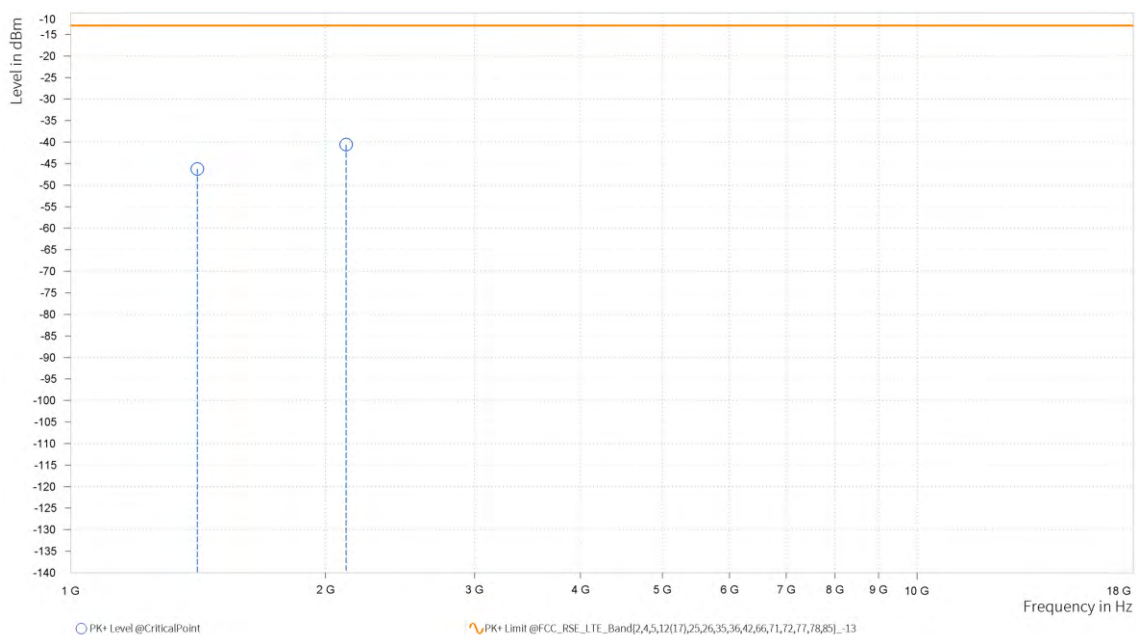
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,410.500	-45.16	-13.00	32.16	23.76	H	356.5	1.00
2	2,115.750	-40.47	-13.00	27.47	28.97	H	359	2.00



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

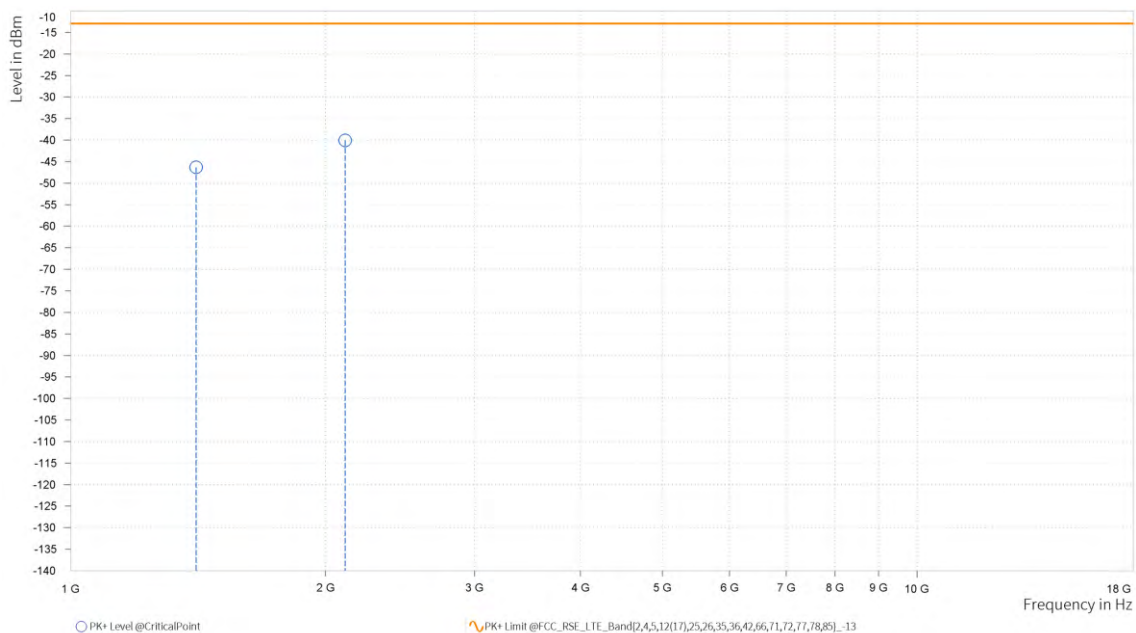
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,410.500	-46.21	-13.00	33.21	23.58	V	359	2.00
2	2,115.750	-40.59	-13.00	27.59	29.61	V	2	2.00



CHANNEL BANDWIDTH: 10MHz / QPSK

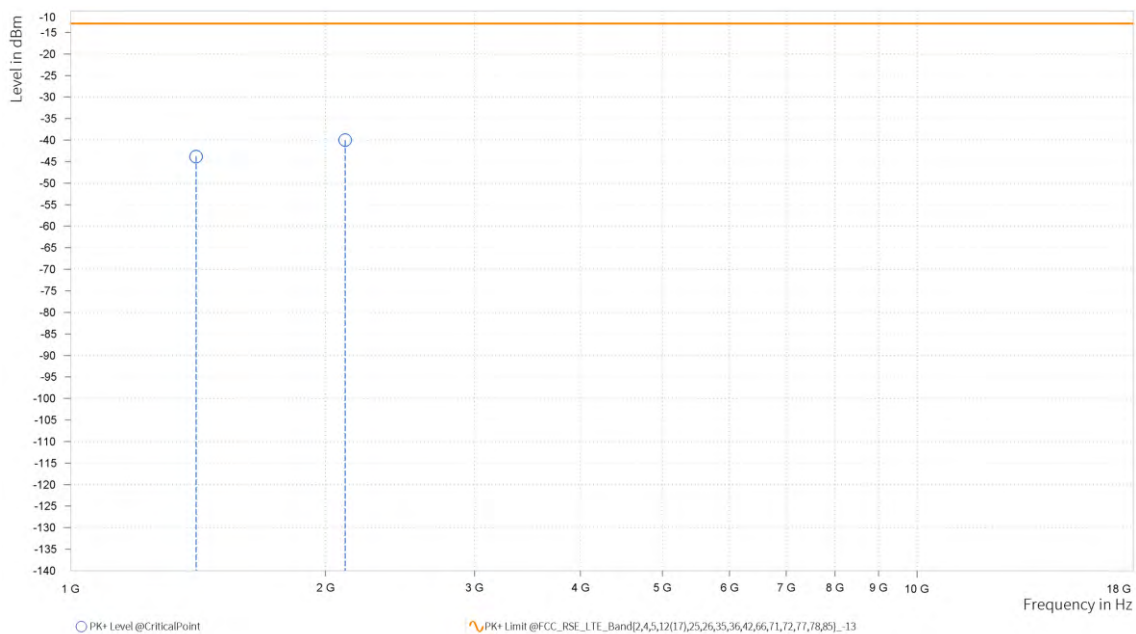
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,406.000	-46.28	-13.00	33.28	23.56	H	359	2.00
2	2,109.000	-40.07	-13.00	27.07	29.05	H	359.1	1.00



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,406.000	-43.81	-13.00	30.81	23.69	V	359	2.00
2	2,109.000	-40.00	-13.00	27.00	29.76	V	310	1.00



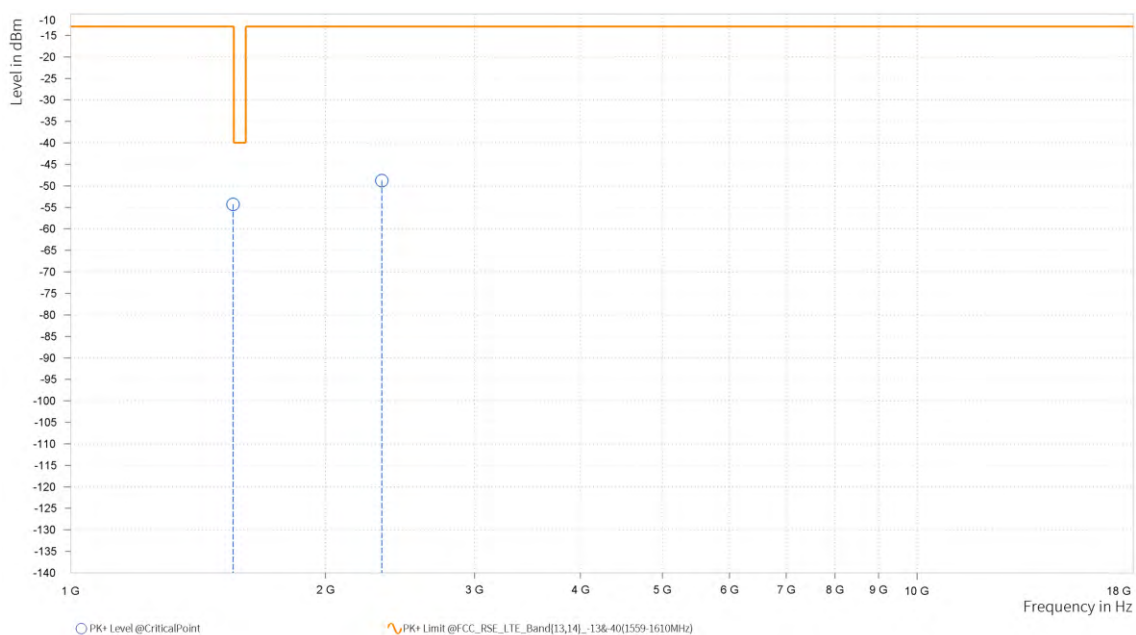
LTE B13

CHANNEL BANDWIDTH: 5MHz / QPSK

CH23205

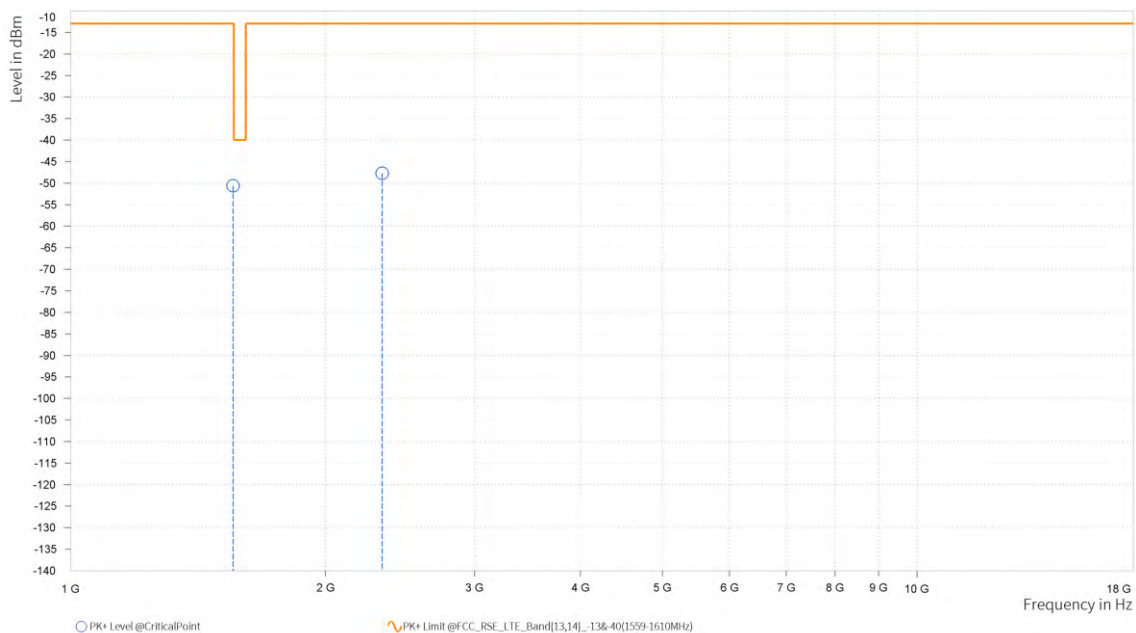
MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,554.500	-54.27	-13.00	41.27	13.36	H	357.8	1.00
3	2,331.500	-48.77	-13.00	35.77	20.14	H	358.4	1.00



MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

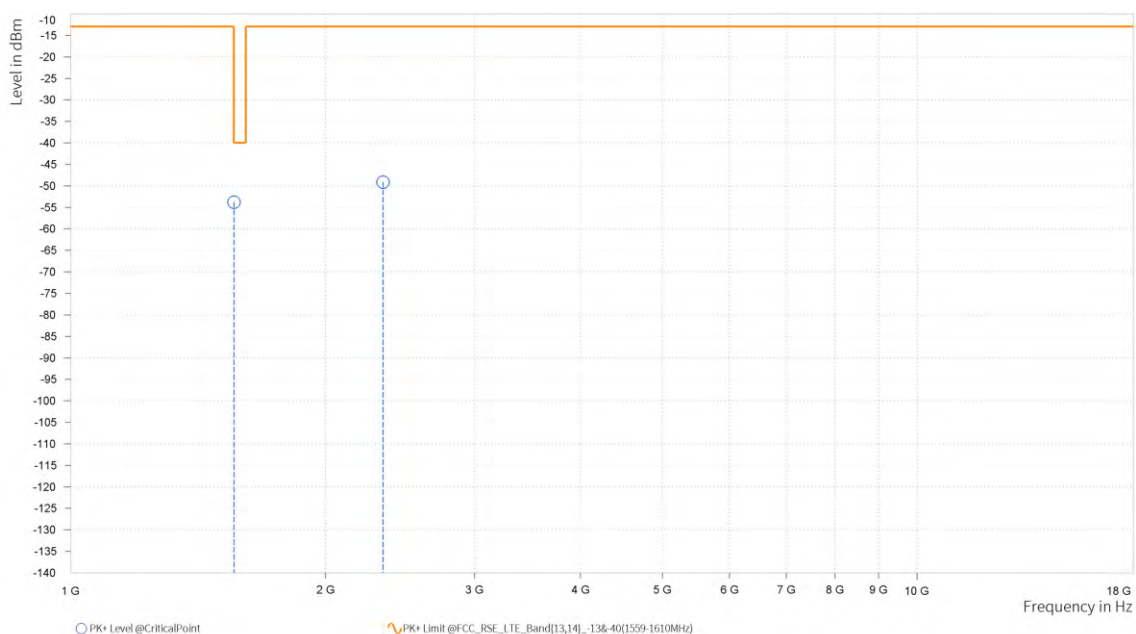
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,554.500	-50.62	-13.00	37.62	14.69	V	357.7	1.00
3	2,331.750	-47.67	-13.00	34.67	20.75	V	1.6	2.00



CH23230

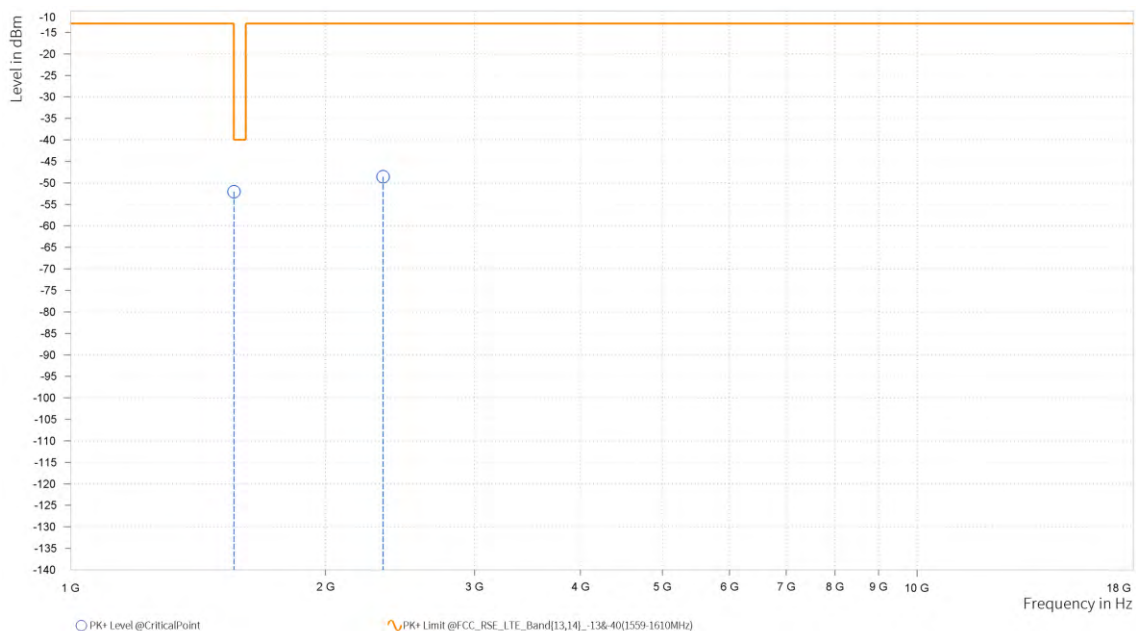
MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,559.500	-53.77	-40.00	13.77	13.33	H	359	1.00
3	2,339.000	-49.14	-13.00	36.14	20.38	H	1	2.00



MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

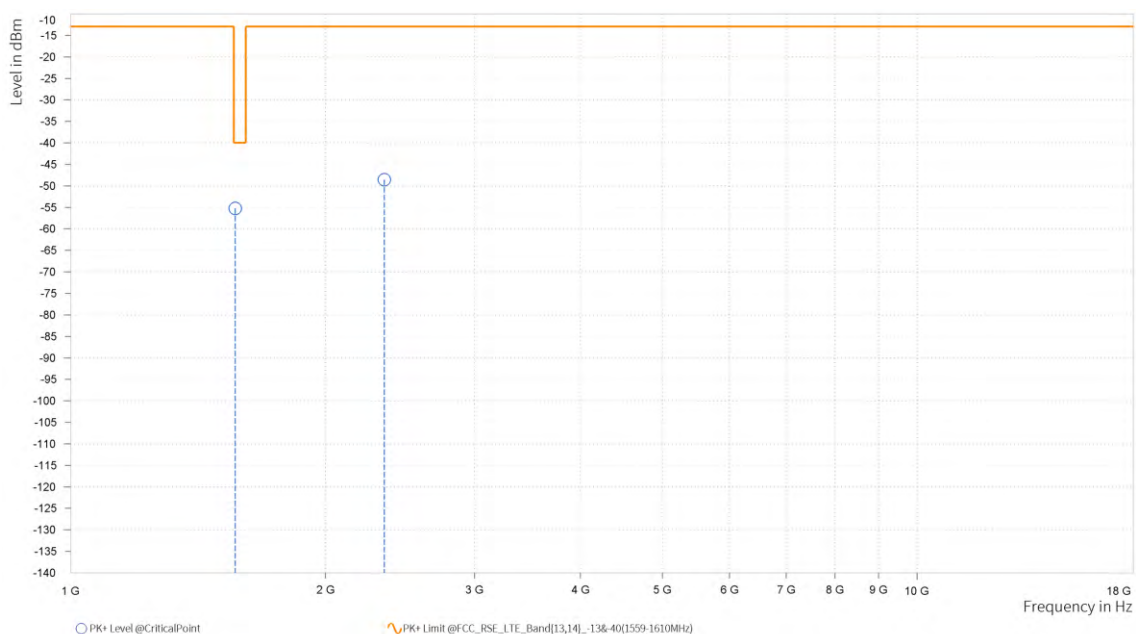
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,559.500	-52.04	-40.00	12.04	14.72	V	358.2	1.00
3	2,339.000	-48.54	-13.00	35.54	20.79	V	359	2.00



CH23255

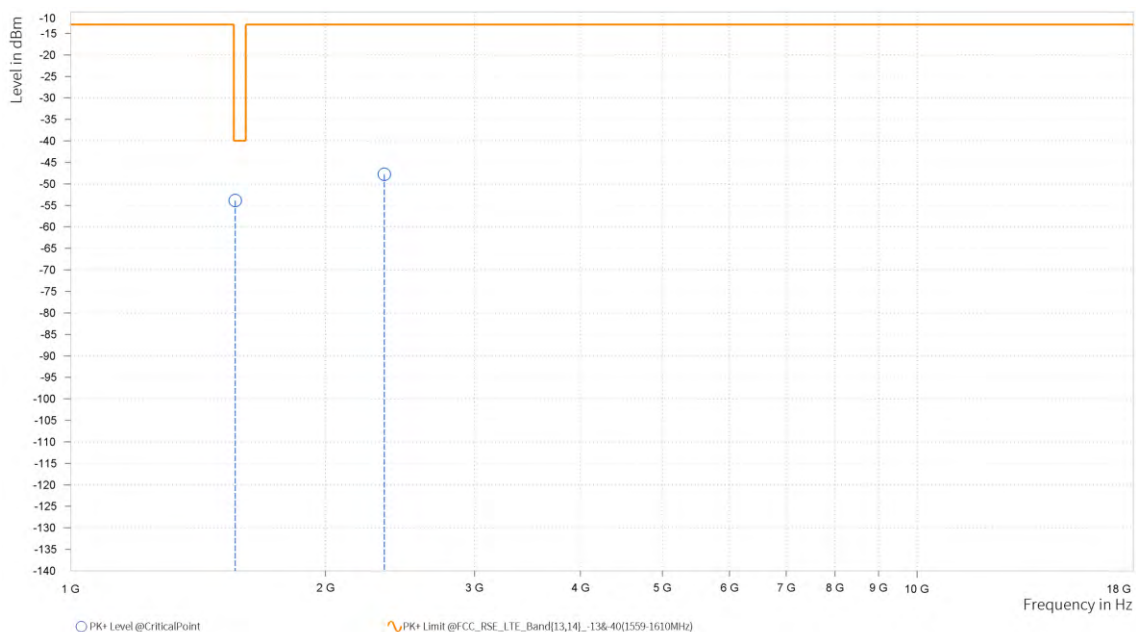
MODE	TX channel 23255	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,564.500	-55.23	-40.00	15.23	13.31	H	64.2	2.00
3	2,346.750	-48.56	-13.00	35.56	20.68	H	105.7	1.00



MODE	TX channel 23255	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

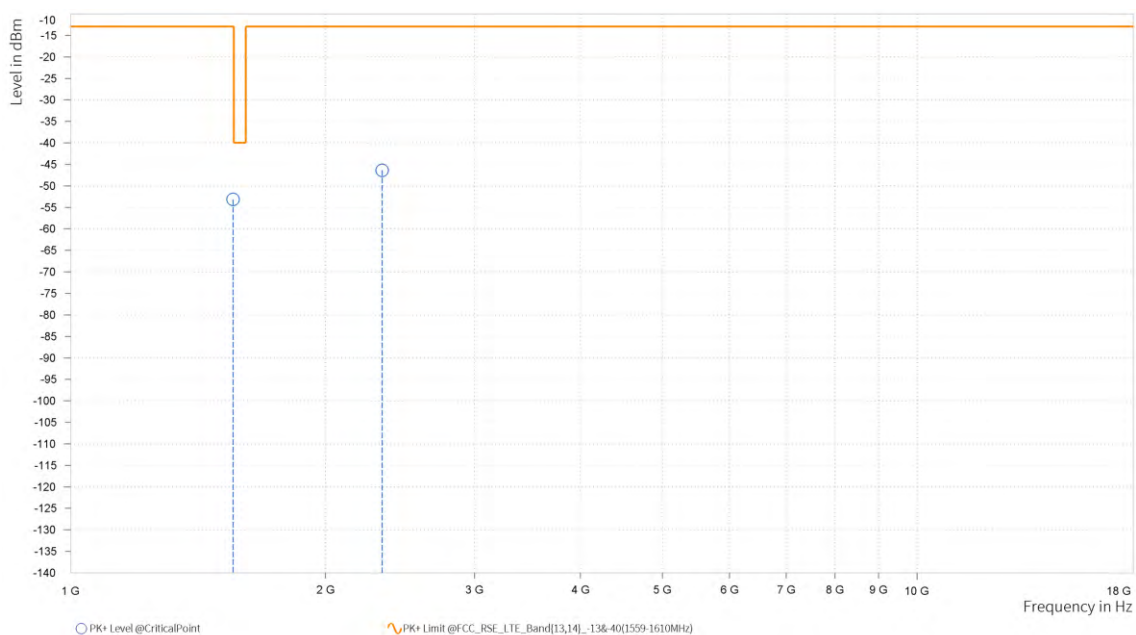
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,564.500	-53.87	-40.00	13.87	14.73	V	357.8	1.00
3	2,346.500	-47.80	-13.00	34.80	20.88	V	358.5	1.00



CHANNEL BANDWIDTH: 10MHz /QPSK

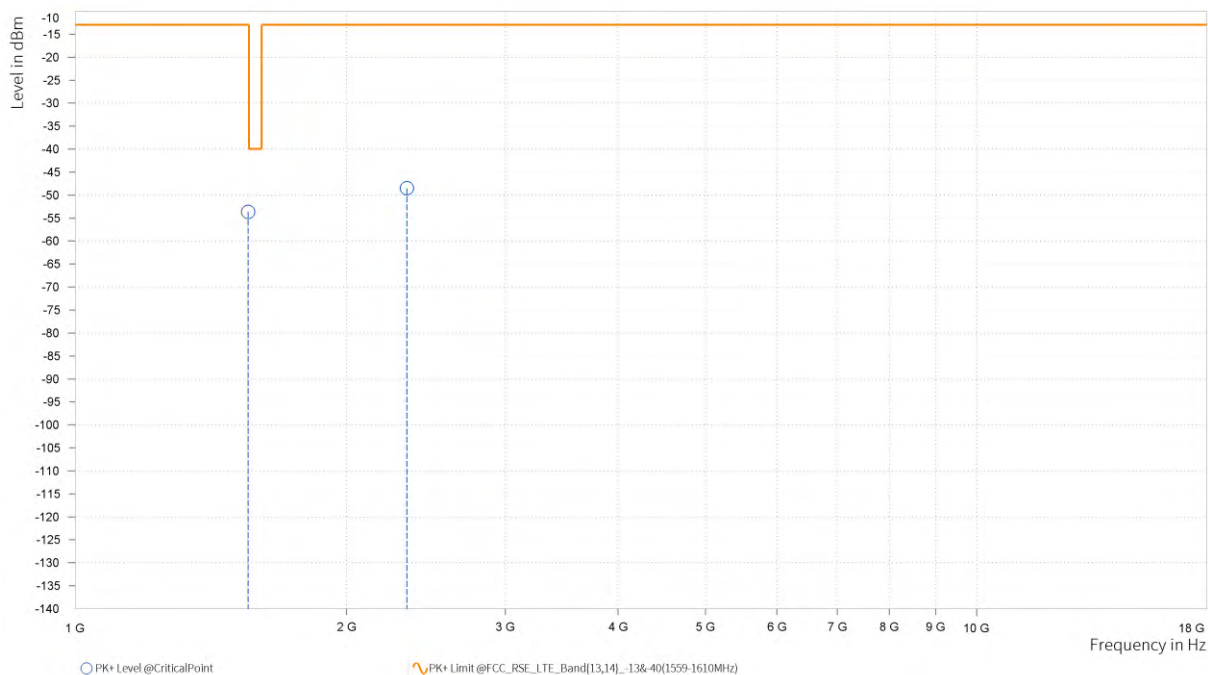
MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,555.000	-53.17	-13.00	40.17	13.36	H	359	2.00
3	2,332.500	-46.38	-13.00	33.38	20.17	H	359	2.00



MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,555.000	-53.64	-13.00	40.64	14.70	V	1	1.00
3	2,332.500	-48.50	-13.00	35.50	20.76	V	359	2.00

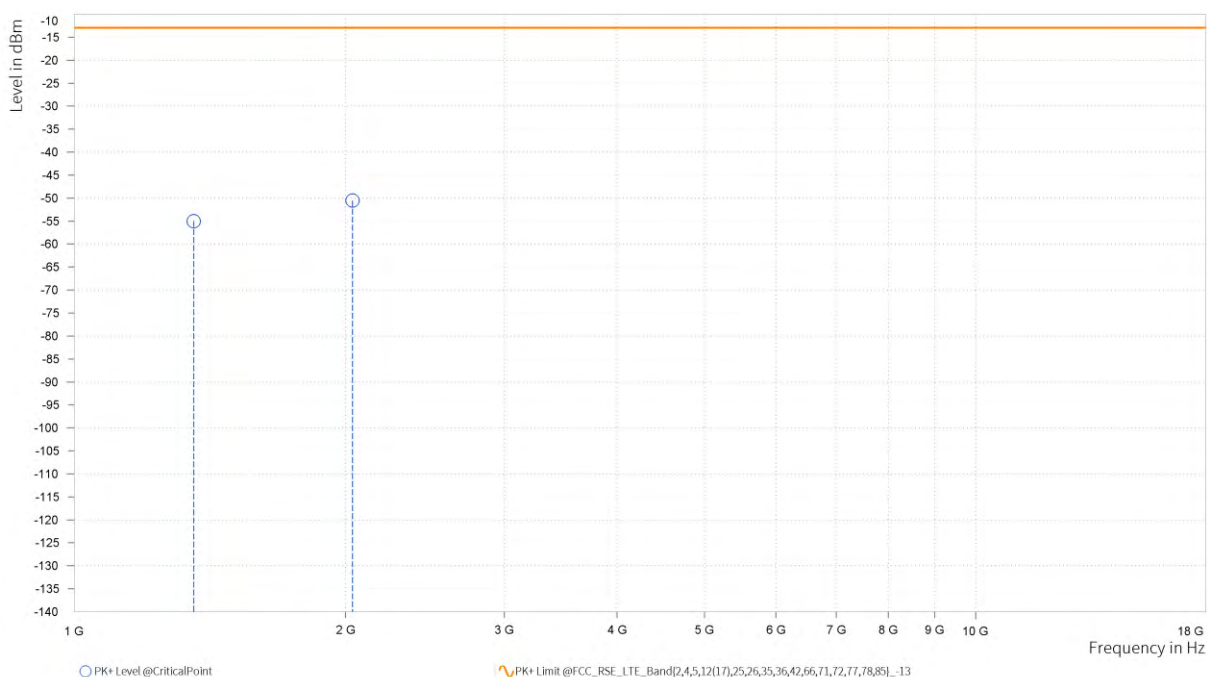


LTE B71

CHANNEL BANDWIDTH: 5MHz / QPSK

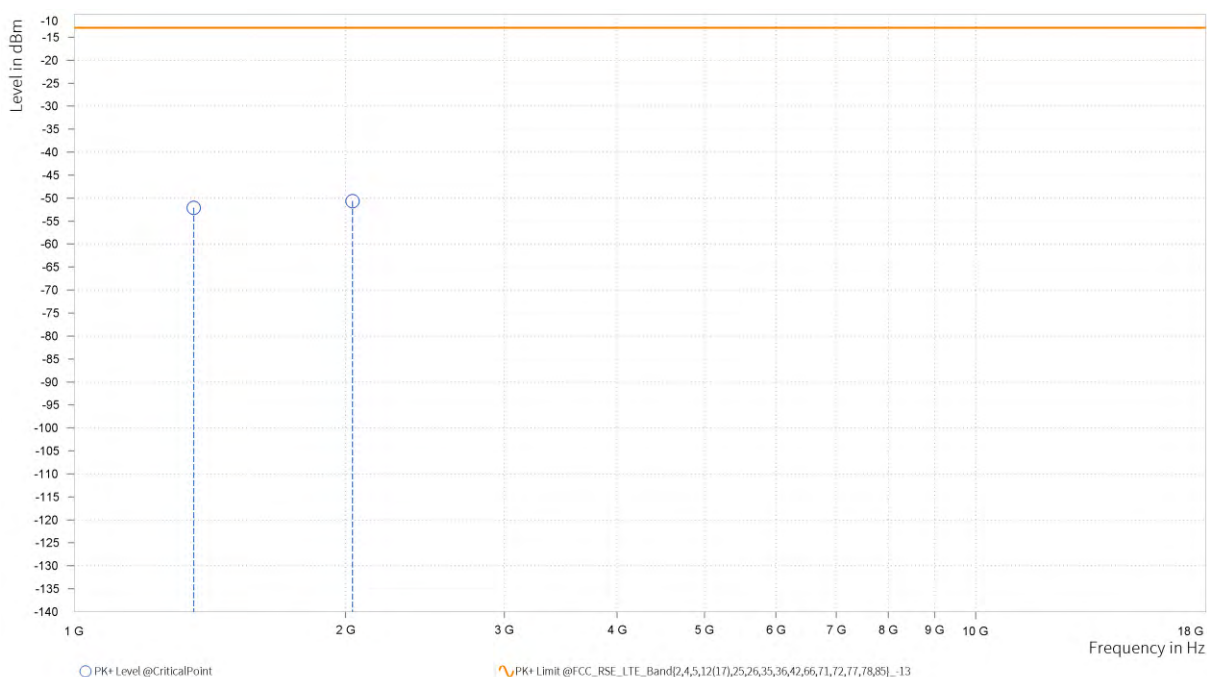
MODE	TX channel 133297	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,356.500	-55.00	-13.00	42.00	13.09	H	0.9	2.00
2	2,034.750	-50.56	-13.00	37.56	17.32	H	0.9	2.00



MODE	TX channel 133297	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

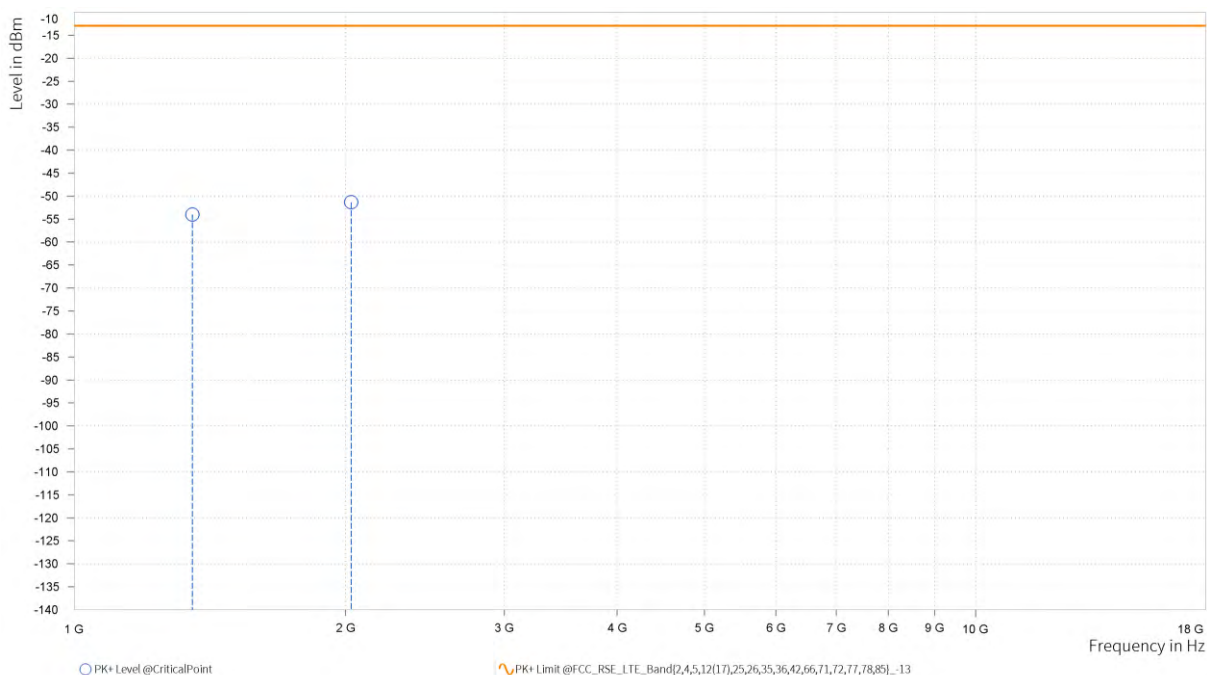
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,356.500	-52.11	-13.00	39.11	14.07	V	359.6	1.00
2	2,034.750	-50.65	-13.00	37.65	17.87	V	271.5	2.00



CHANNEL BANDWIDTH: 10MHz / QPSK

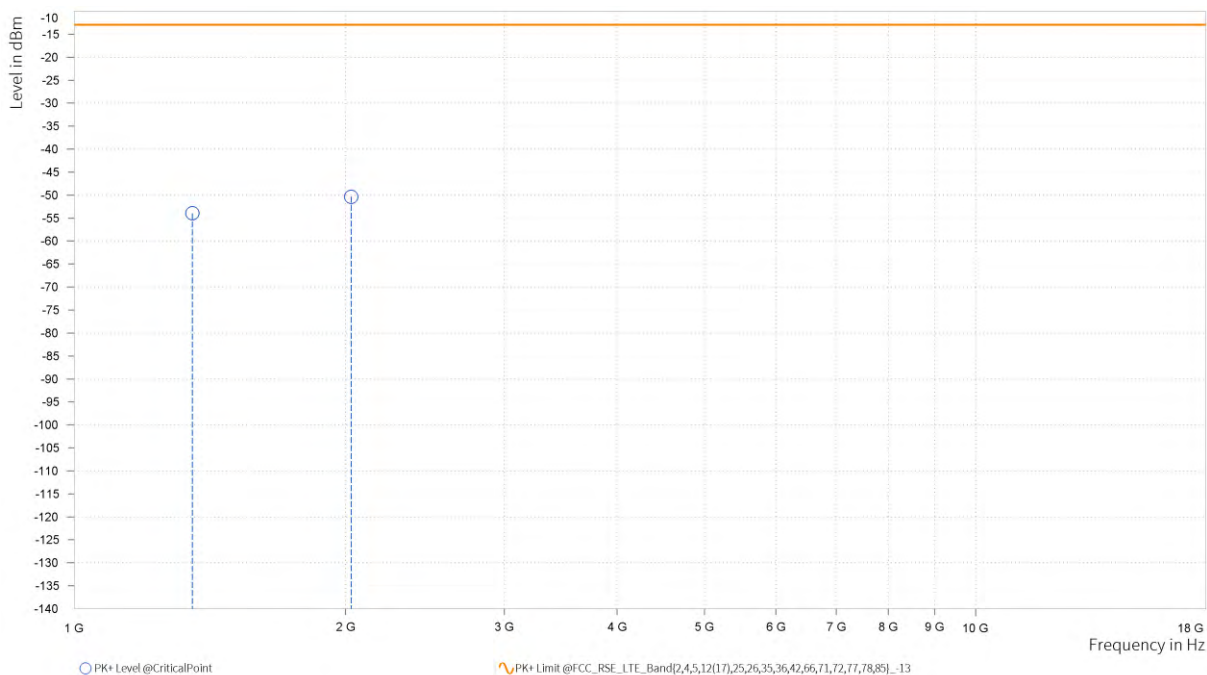
MODE	TX channel 133297	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,352.000	-54.00	-13.00	41.00	13.13	H	359.5	2.00
2	2,028.000	-51.34	-13.00	38.34	17.42	H	359.5	1.00



MODE	TX channel 133297	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

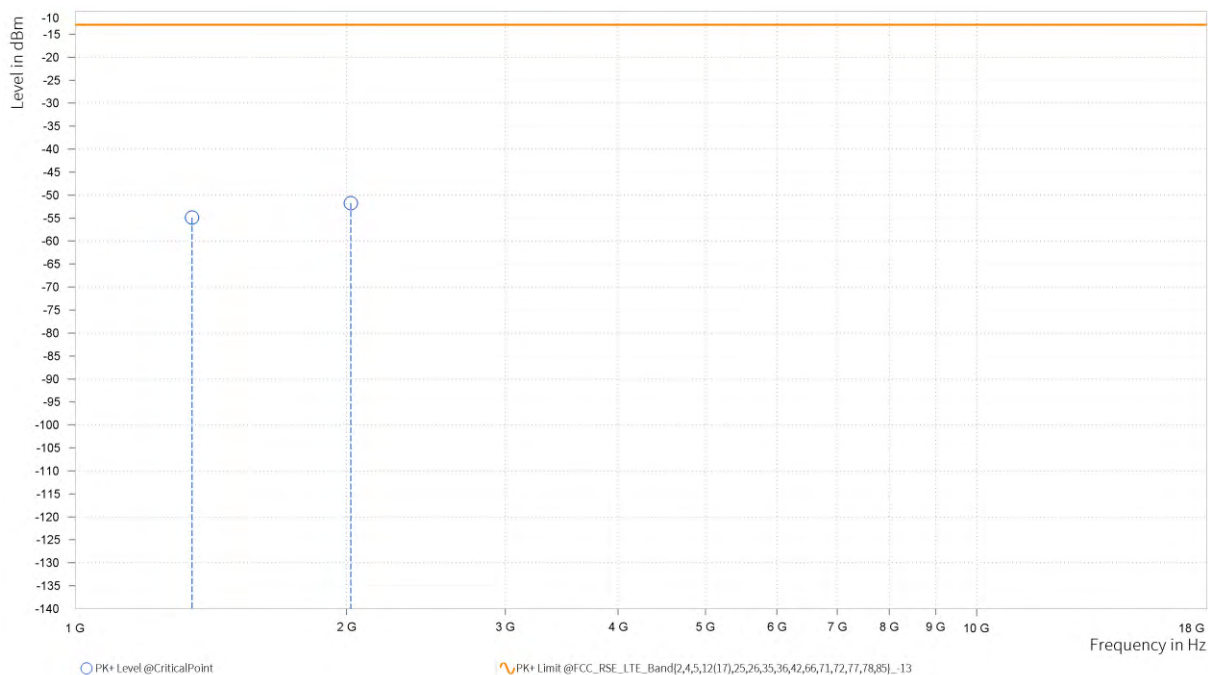
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,352.000	-53.97	-13.00	40.97	13.96	V	0.9	2.00
2	2,028.000	-50.38	-13.00	37.38	17.99	V	1	1.00



CHANNEL BANDWIDTH: 15MHz / QPSK

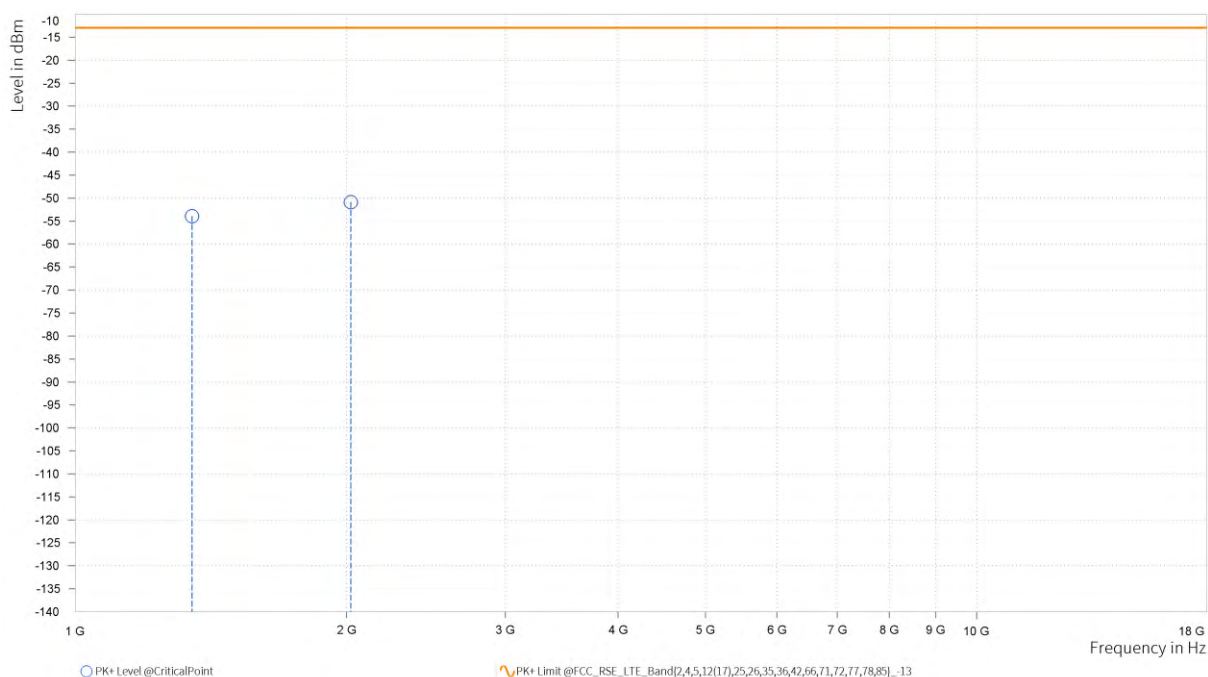
MODE	TX channel 133297	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,347.500	-54.90	-13.00	41.90	13.17	H	359.6	1.00
2	2,021.250	-51.73	-13.00	38.73	17.48	H	272.7	2.00



MODE	TX channel 133297	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,347.500	-53.94	-13.00	40.94	13.87	V	1	2.00
2	2,021.250	-50.87	-13.00	37.87	17.98	V	1	2.00

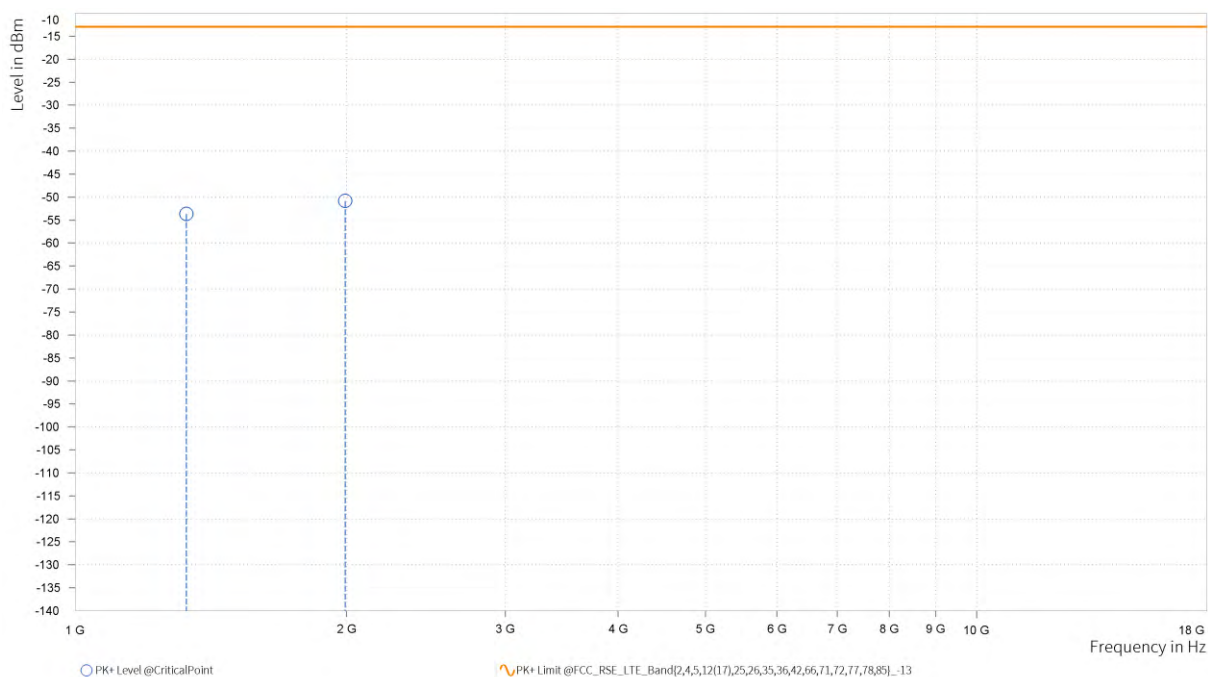


CHANNEL BANDWIDTH: 20MHz / QPSK

CH133222

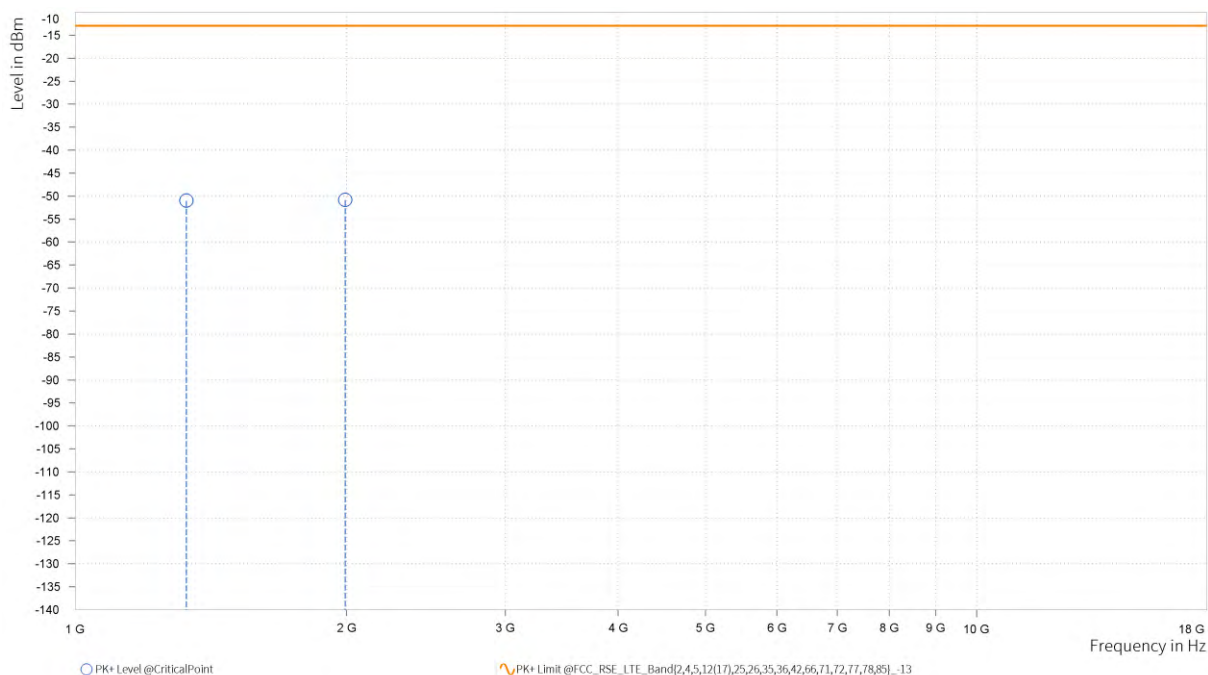
MODE	TX channel 133222	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,328.000	-53.65	-13.00	40.65	13.03	H	0.9	2.00
2	1,992.000	-50.83	-13.00	37.83	17.77	H	87.8	1.00



MODE	TX channel 133222	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

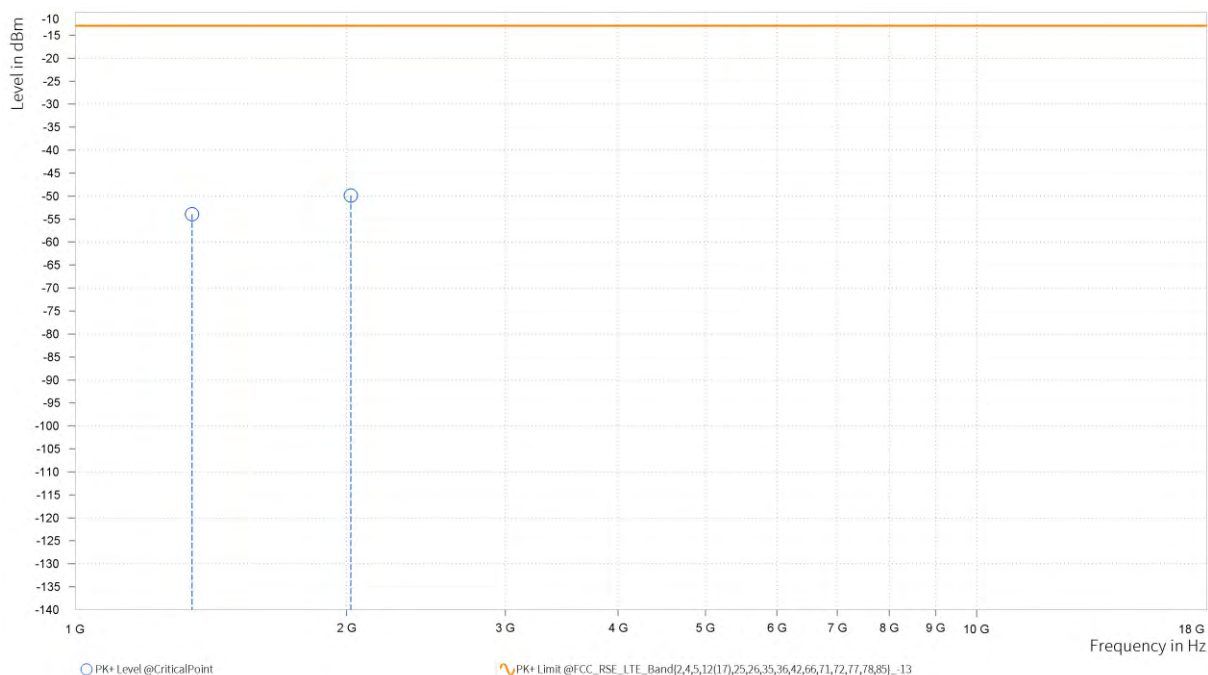
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,328.000	-50.99	-13.00	37.99	14.09	V	272.7	2.00
2	1,992.000	-50.84	-13.00	37.84	17.75	V	87.7	1.00



CH133322

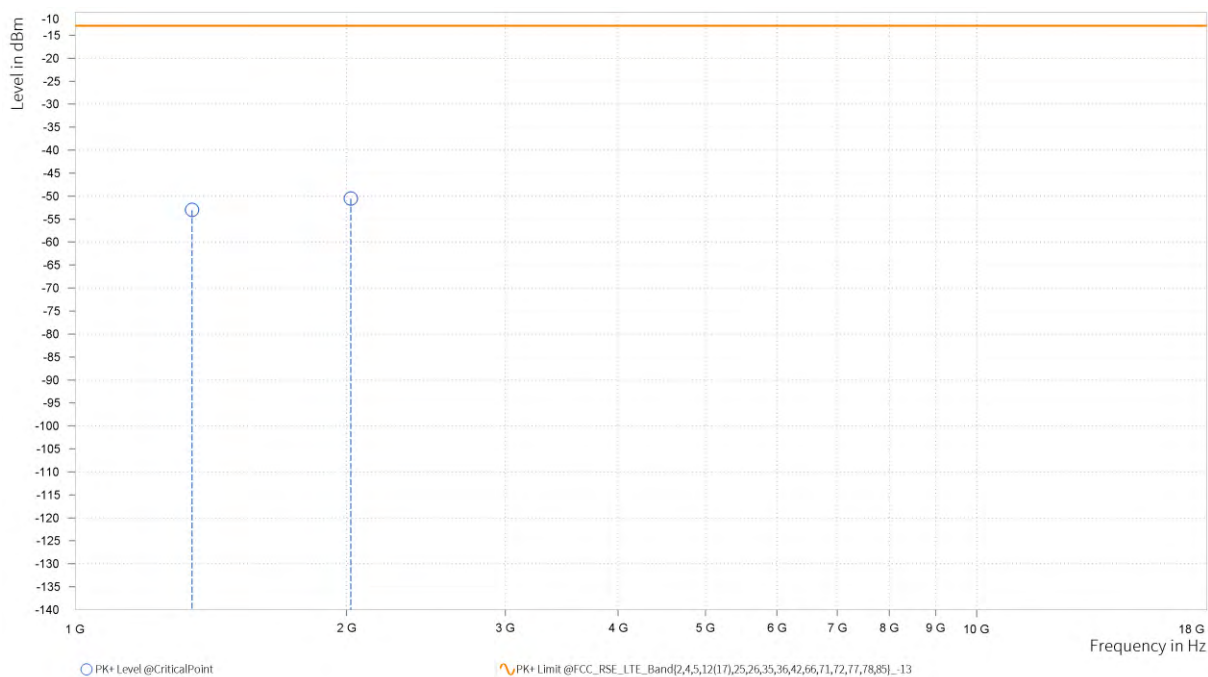
MODE	TX channel 133322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,348.000	-53.93	-13.00	40.93	13.17	H	0.9	2.00
2	2,022.000	-49.87	-13.00	36.87	17.48	H	359.6	1.00



MODE	TX channel 133322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

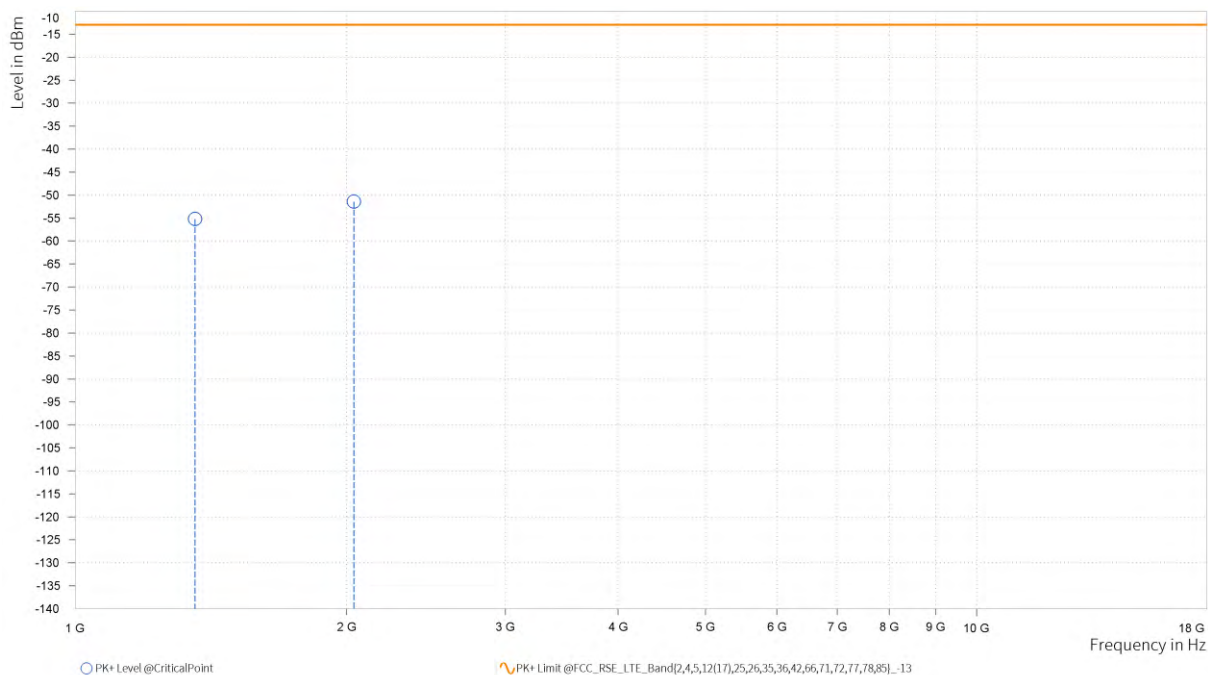
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,348.000	-53.01	-13.00	40.01	13.88	V	359.5	2.00
2	2,022.000	-50.55	-13.00	37.55	18.00	V	271.5	2.00



CH133372

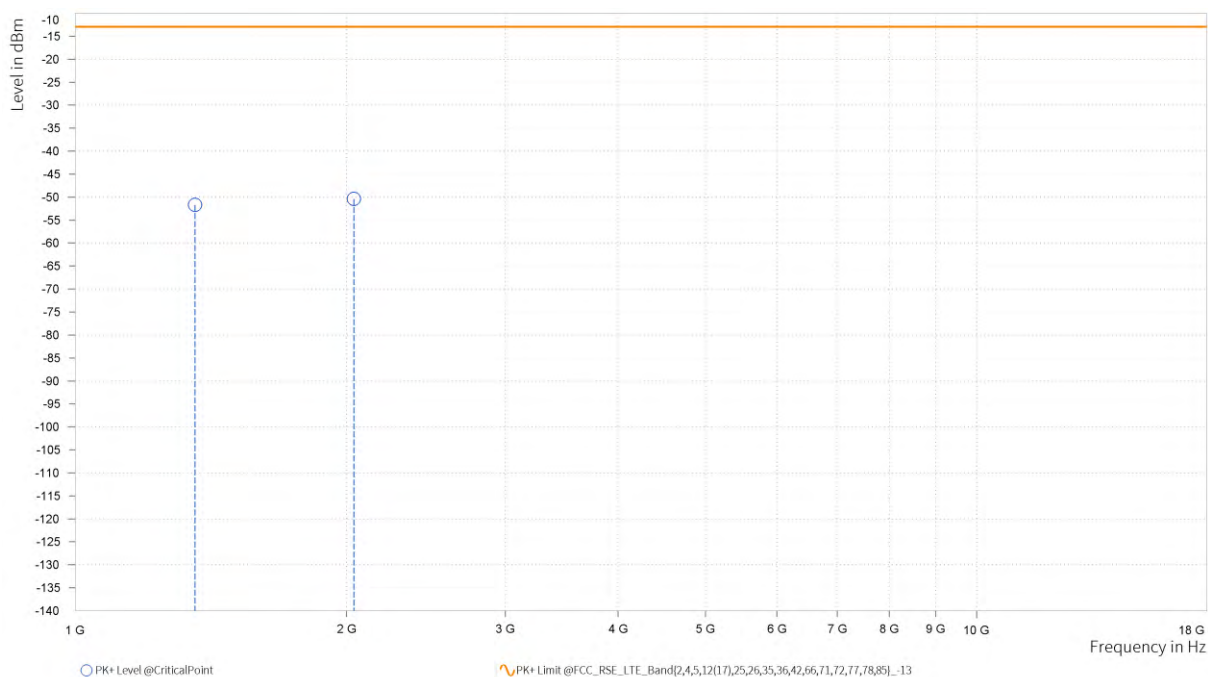
MODE	TX channel 133372	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,358.000	-55.18	-13.00	42.18	13.08	H	359.5	2.00
2	2,037.000	-51.40	-13.00	38.40	17.27	H	1	2.00



MODE	TX channel 133372	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,358.000	-51.71	-13.00	38.71	14.10	V	271.5	2.00
2	2,037.000	-50.40	-13.00	37.40	17.82	V	271.5	2.00

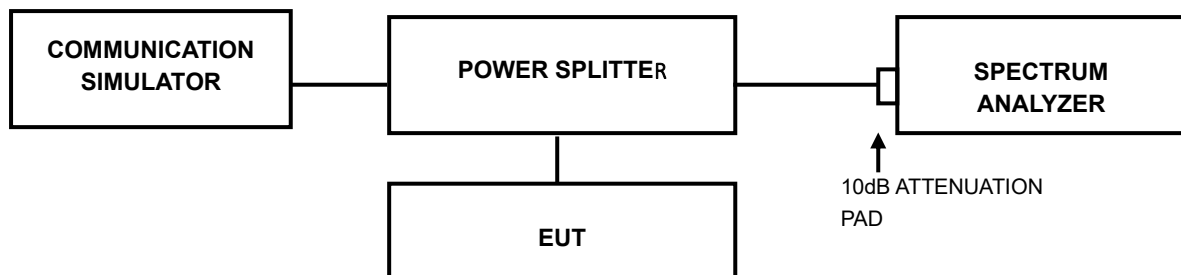


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.



Test Report No.: PSU-QSU2312140113RF03

3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



Test Report No.: PSU-QSU2312140113RF03

4 INFORMATION ON THE TESTING LABORATORIES

We, Huarui 7layers High Technology (Suzhou) Co., Ltd. ,were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

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Accredited Test Lab Cert 6613.01

If you have any comments, please feel free to contact us at the following:

Suzhou EMC/RF Lab:

Tel: +86 (0557) 368 1008



Test Report No.: PSU-QSU2312140113RF03

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.



Test Report No.: PSU-QSU2312140113RF03

6 APPENDIX

WCDMA BAND4

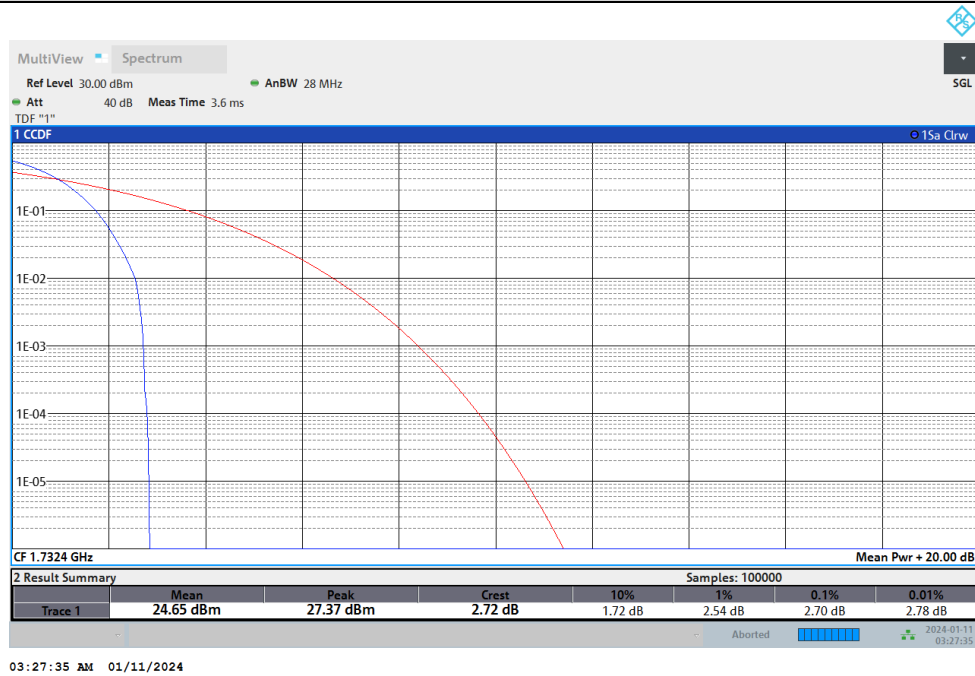
PEAK-TO-AVERAGE RATIO

Test Result

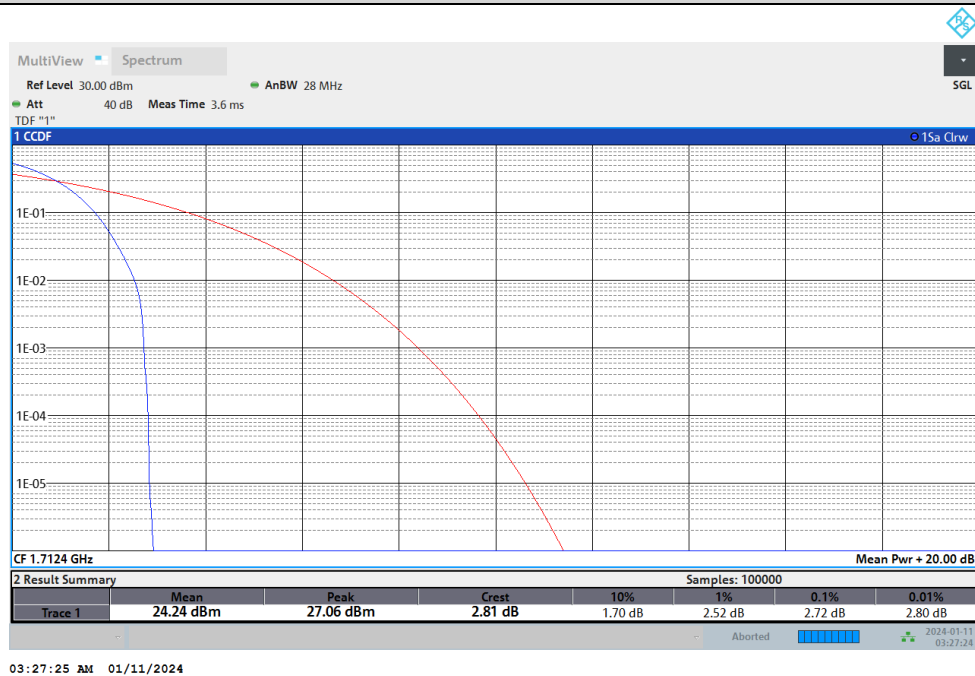
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band4	1312	2.70	13	PASS
Band4	1413	2.72	13	PASS
Band4	1513	2.74	13	PASS

Test Graphs

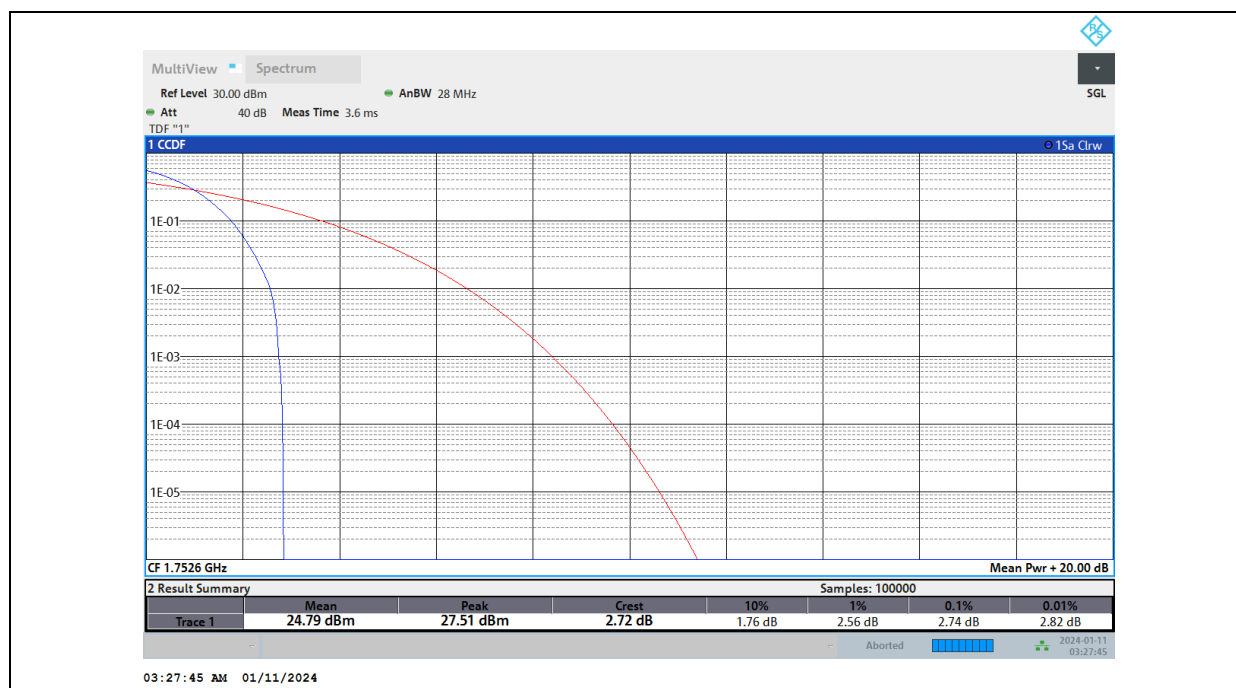
Band4-1312



Band4-1413



Band4-1513



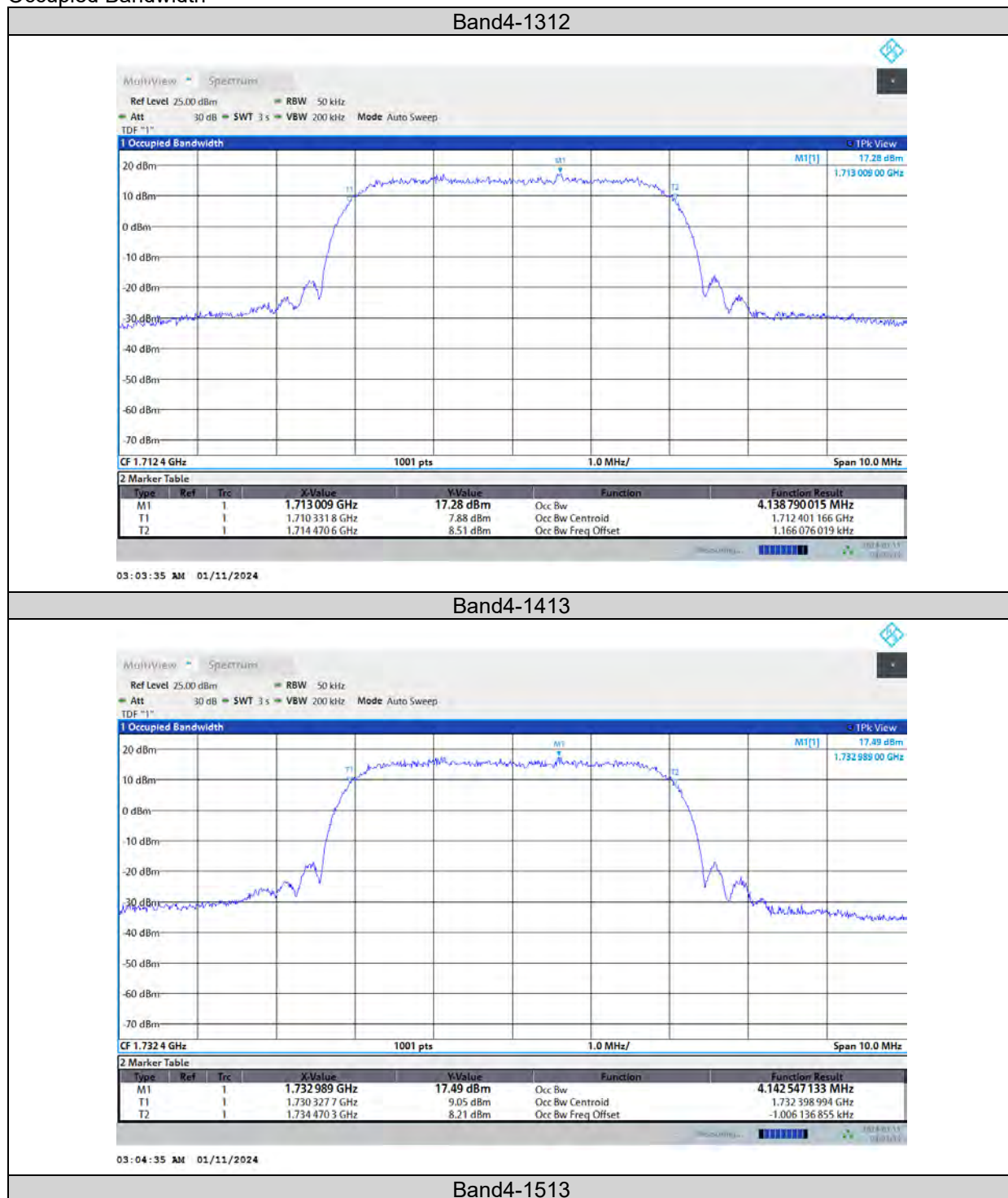
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

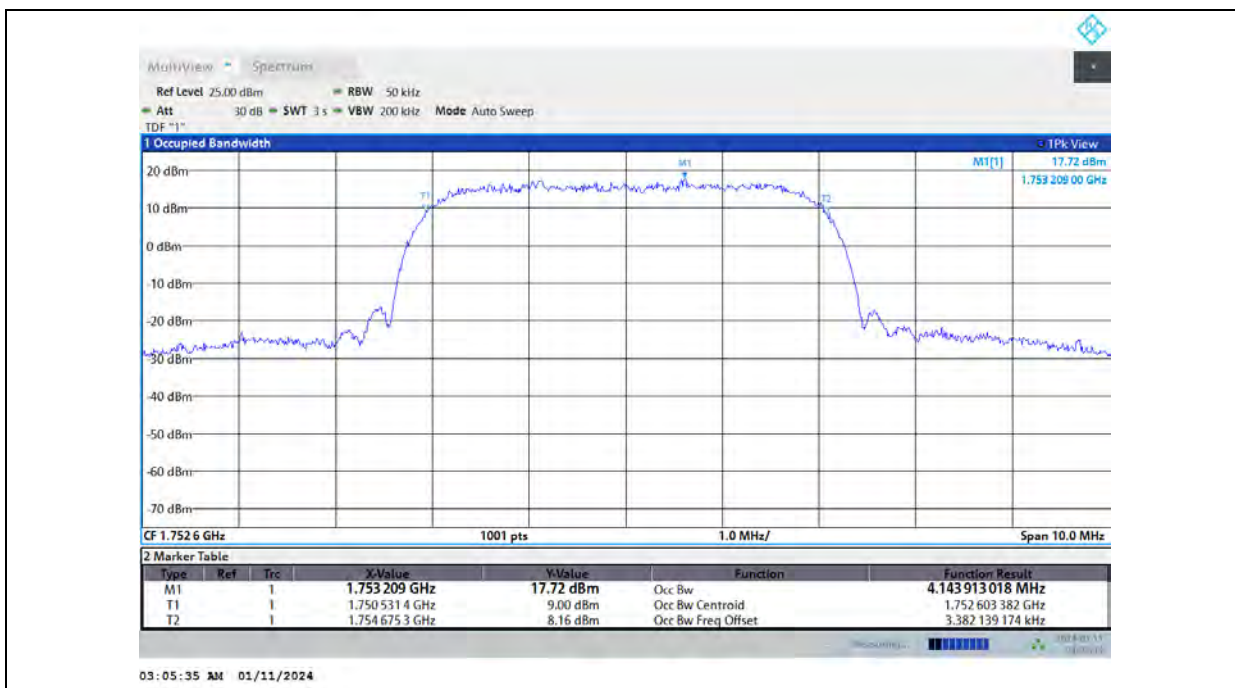
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band4	1312	4.139	4.695	---	PASS
Band4	1413	4.143	4.695	---	PASS
Band4	1513	4.144	4.715	---	PASS

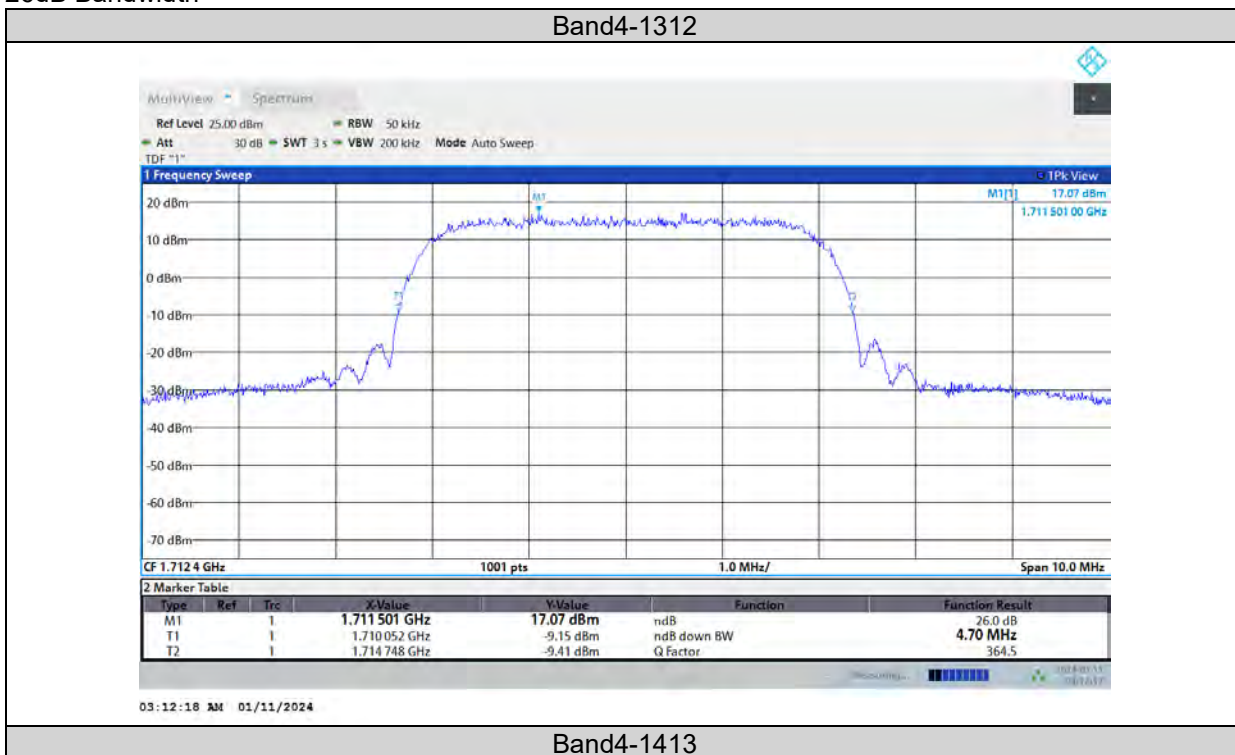
Test Graphs

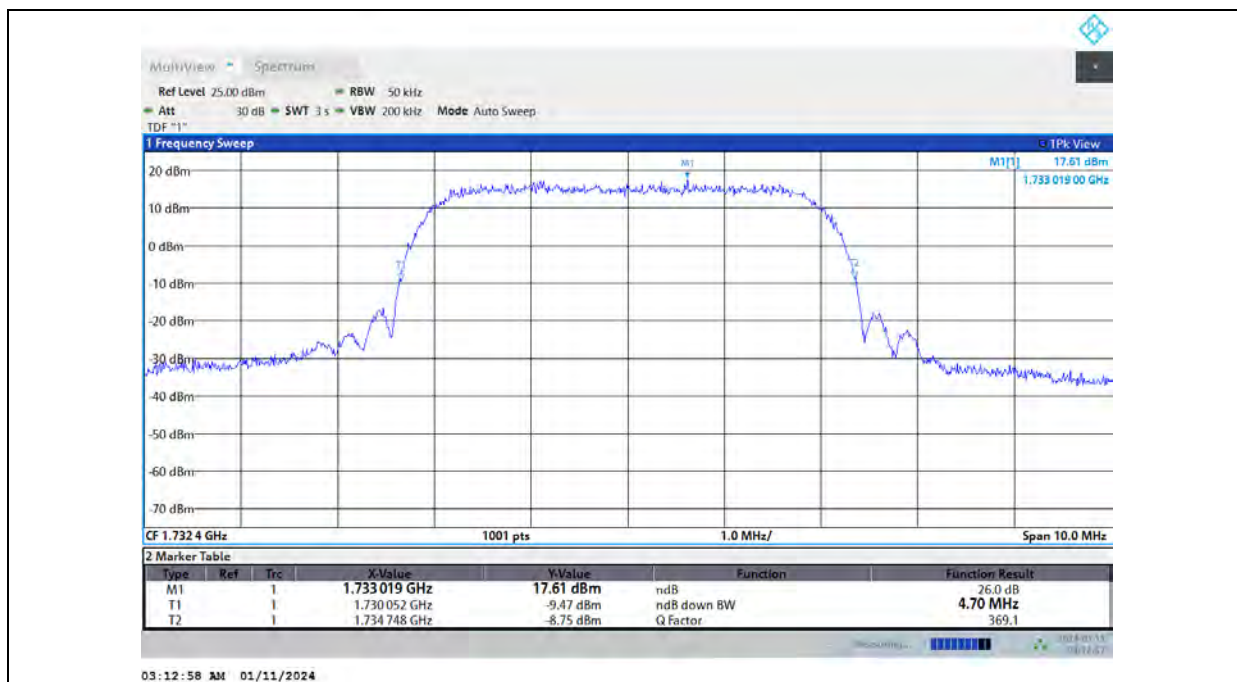
Occupied Bandwidth



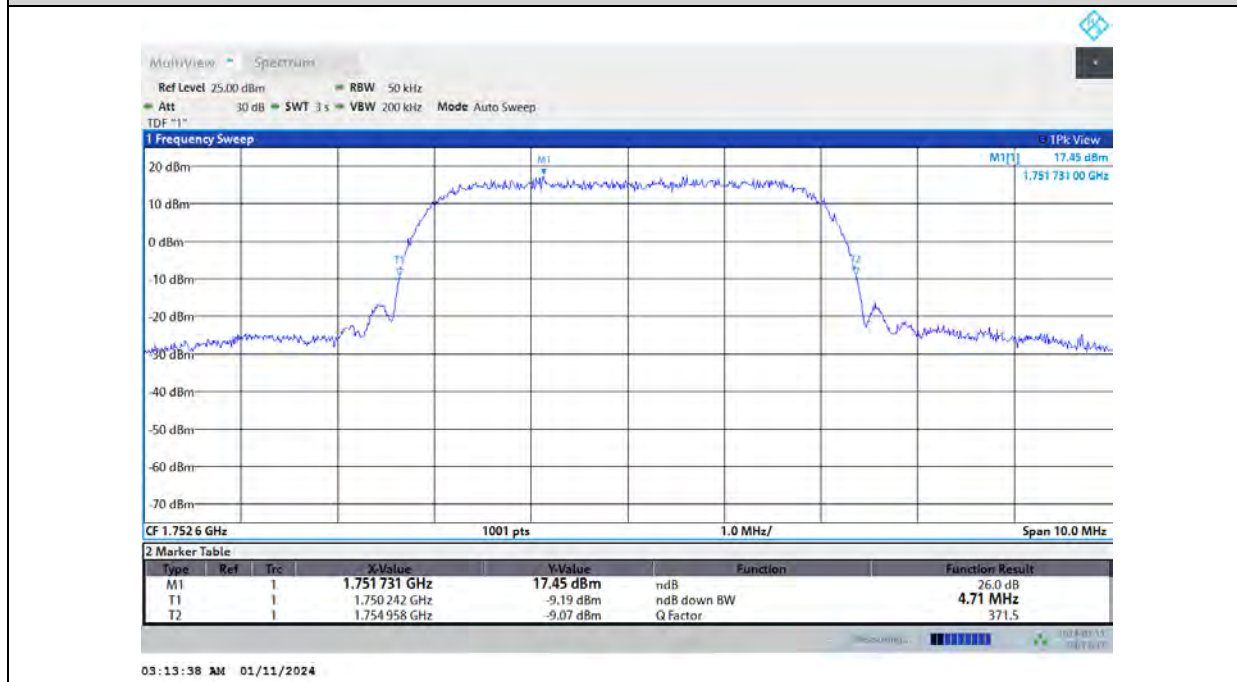


26dB Bandwidth





Band4-1513





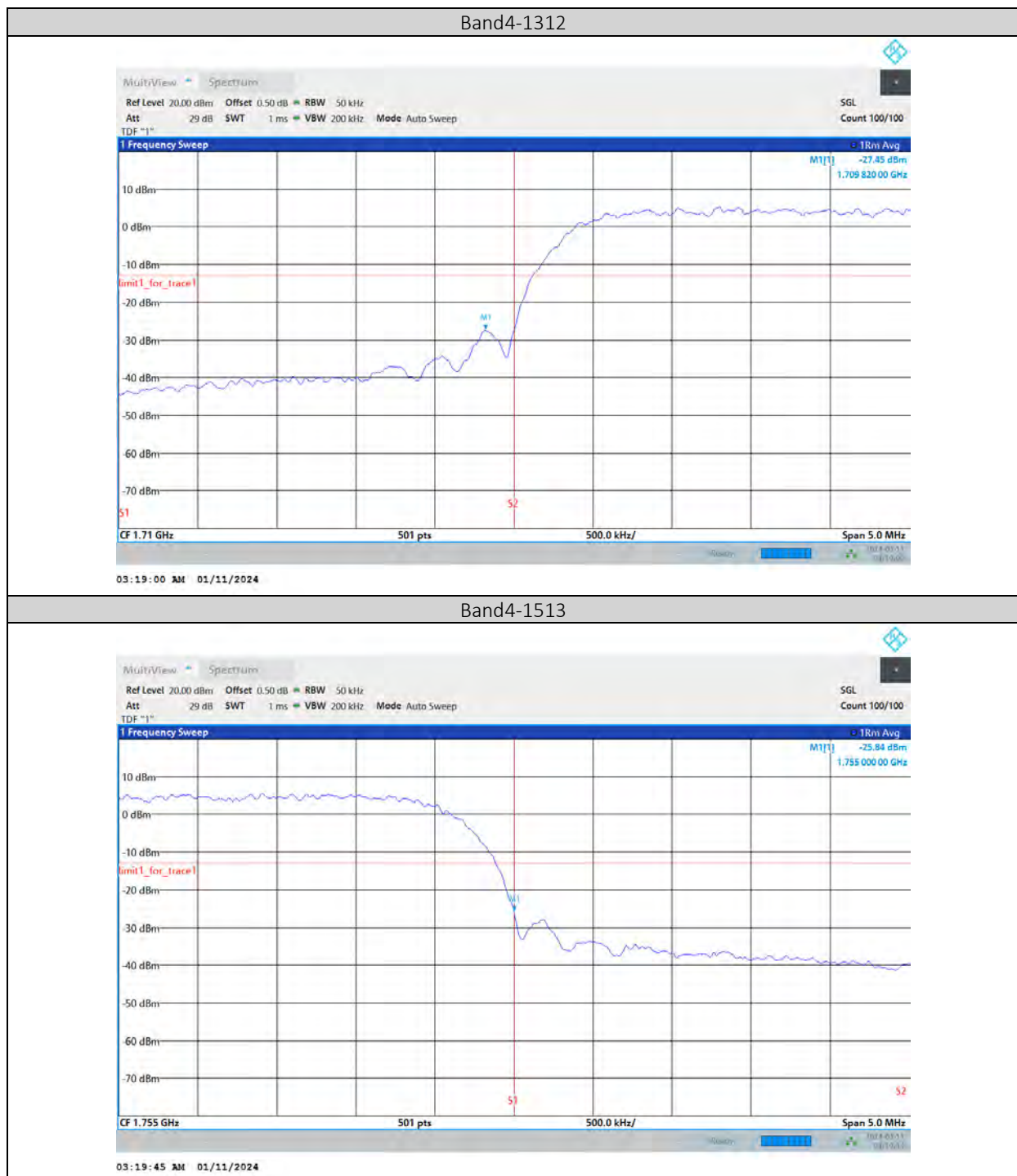
Test Report No.: PSU-QSU2312140113RF03

BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1709.82	-27.45	-13	PASS
Band4	1513	1755.00	-25.84	-13	PASS

Test Graphs





Test Report No.: PSU-QSU2312140113RF03

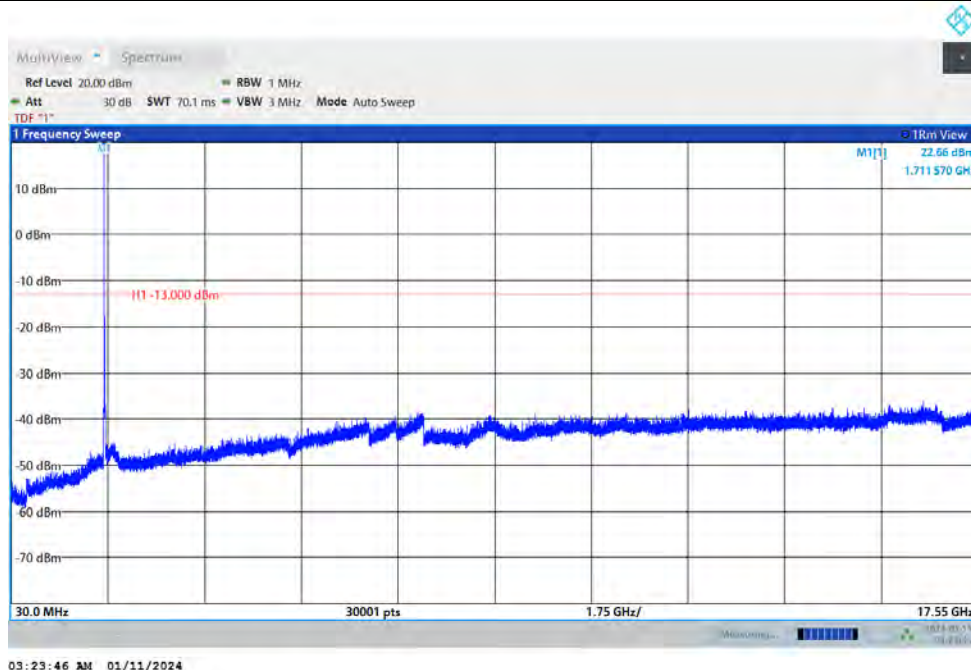
CONDUCTED SPURIOUS EMISSION

Test Result

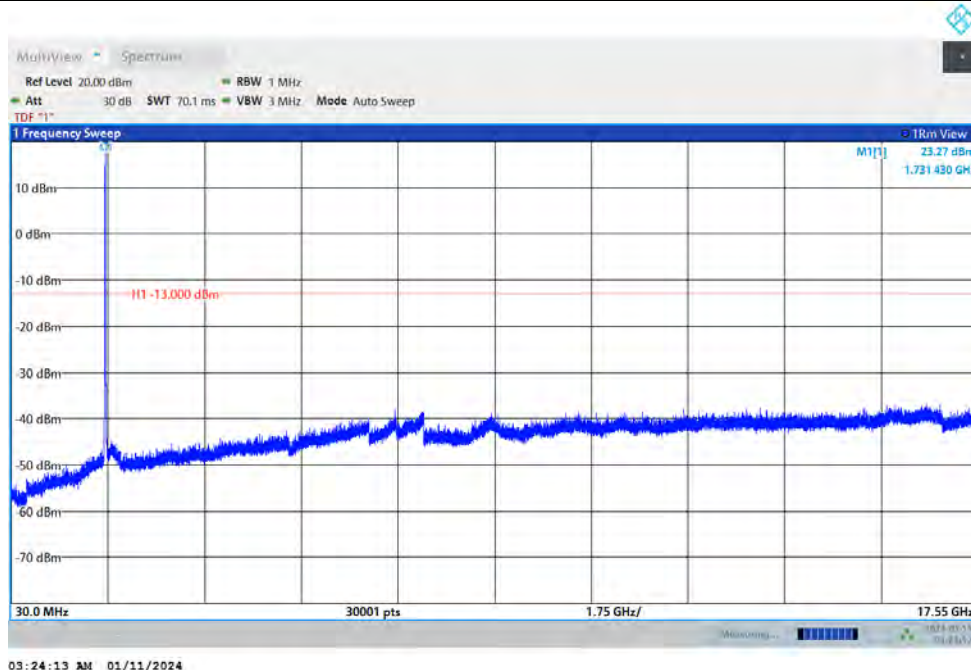
Band	Channel	Frequency Range (Mhz)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	30~17550MHz	See Graph	-13	PASS
Band4	1413	30~17550MHz	See Graph	-13	PASS
Band4	1513	30~17550MHz	See Graph	-13	PASS

Test Graphs

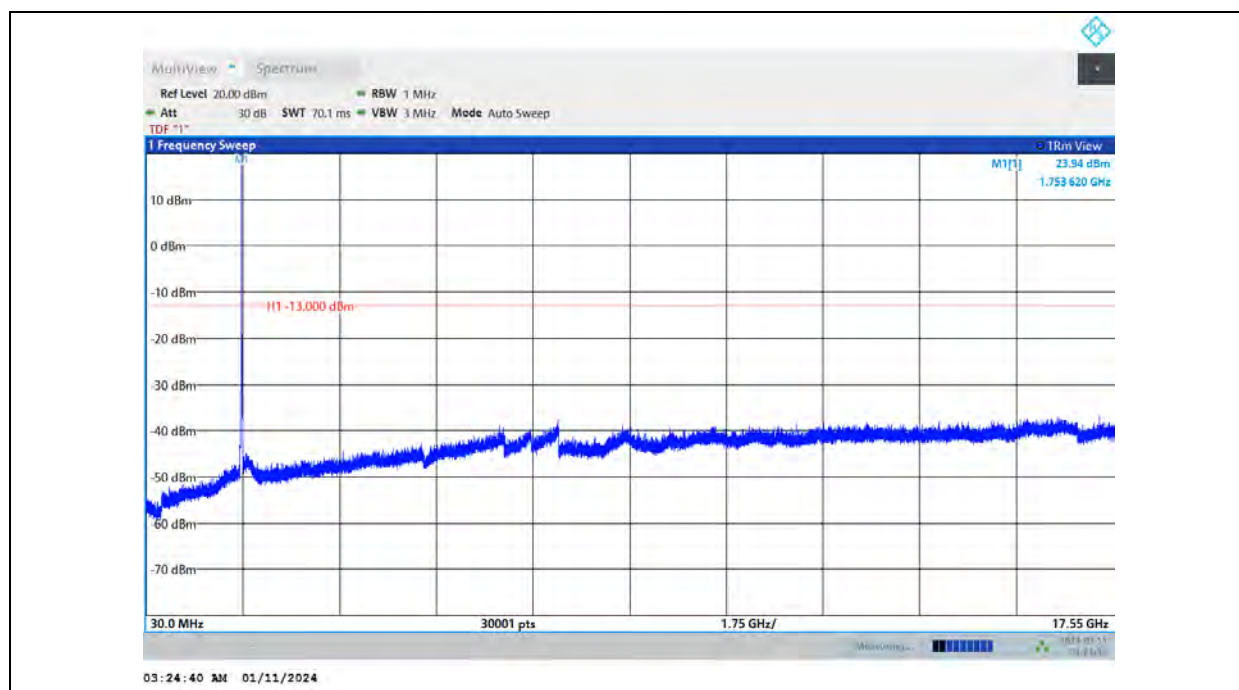
Band4-1312-30~1000MHz



Band4-1413-30~1000MHz



Band4-1513-30~1000MHz



FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VL	NT	0.27	0.000158	±2.5	PASS
Band4	1312	VN	NT	-7.57	-0.004421	±2.5	PASS
Band4	1312	VH	NT	-7.2	-0.004205	±2.5	PASS
Band4	1413	VL	NT	-1.11	-0.000635	±2.5	PASS
Band4	1413	VN	NT	-3.42	-0.001957	±2.5	PASS
Band4	1413	VH	NT	7.37	0.004217	±2.5	PASS
Band4	1513	VL	NT	-4.63	-0.002597	±2.5	PASS
Band4	1513	VN	NT	3	0.001683	±2.5	PASS
Band4	1513	VH	NT	3.37	0.001890	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	-3.59	-0.002096	±2.5	PASS
Band4	1312	NV	-20	6.17	0.003603	±2.5	PASS
Band4	1312	NV	-10	-5.95	-0.003475	±2.5	PASS
Band4	1312	NV	0	7.07	0.004129	±2.5	PASS
Band4	1312	NV	10	3.47	0.002026	±2.5	PASS
Band4	1312	NV	20	-5.62	-0.003282	±2.5	PASS
Band4	1312	NV	30	-7.28	-0.004251	±2.5	PASS
Band4	1312	NV	40	-2.53	-0.001477	±2.5	PASS
Band4	1312	NV	50	8.73	0.004995	±2.5	PASS
Band4	1413	NV	-30	1.37	0.000784	±2.5	PASS
Band4	1413	NV	-20	2.75	0.001574	±2.5	PASS
Band4	1413	NV	-10	8.94	0.005116	±2.5	PASS
Band4	1413	NV	0	-3.61	-0.002066	±2.5	PASS
Band4	1413	NV	10	4.91	0.002810	±2.5	PASS
Band4	1413	NV	20	4.38	0.002506	±2.5	PASS
Band4	1413	NV	30	7.14	0.004086	±2.5	PASS
Band4	1413	NV	40	-3.06	-0.001751	±2.5	PASS
Band4	1413	NV	50	8.5	0.004768	±2.5	PASS
Band4	1513	NV	-30	-7.91	-0.004437	±2.5	PASS
Band4	1513	NV	-20	6.89	0.003865	±2.5	PASS
Band4	1513	NV	-10	-8.75	-0.004909	±2.5	PASS
Band4	1513	NV	0	3.23	0.001812	±2.5	PASS
Band4	1513	NV	10	-7.44	-0.004174	±2.5	PASS
Band4	1513	NV	20	4.56	0.002558	±2.5	PASS
Band4	1513	NV	30	9.19	0.005155	±2.5	PASS
Band4	1513	NV	40	8.69	0.004875	±2.5	PASS
Band4	1513	NV	50	-4.83	-0.002821	±2.5	PASS

LTE BAND7

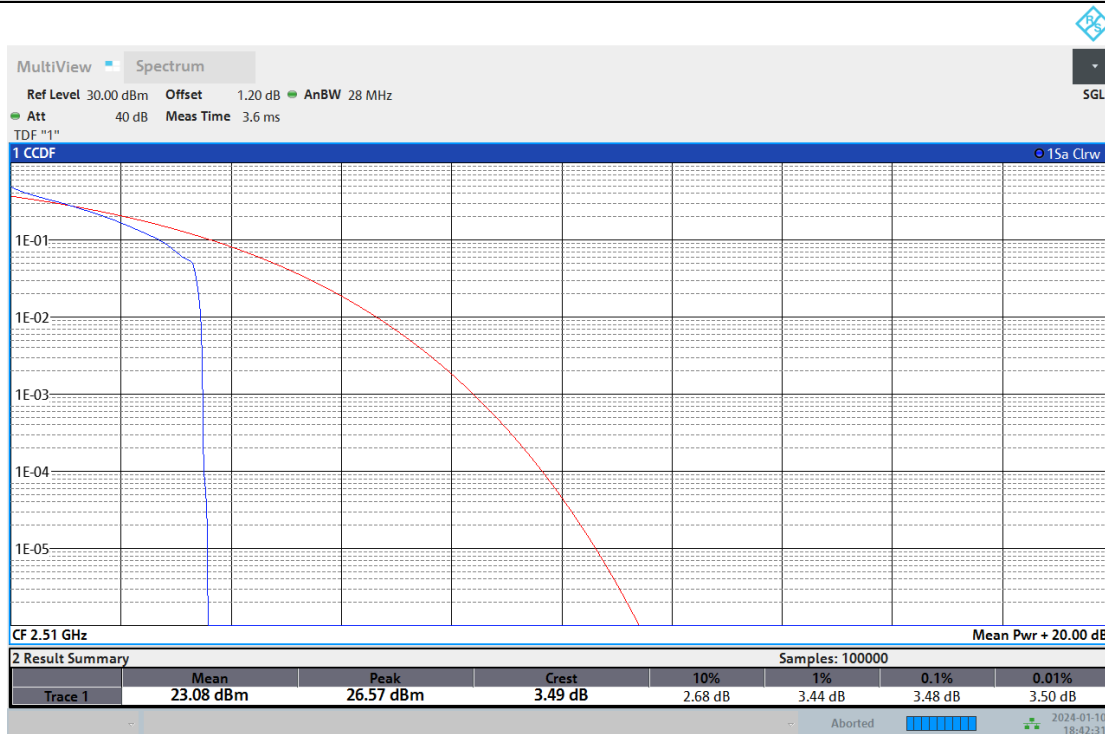
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	1RB#0	3.48	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.82	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.58	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.98	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.60	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.18	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.26	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.88	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.80	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.00	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.44	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.02	13	PASS
Band7	20MHz	64QAM	20850	1RB#0	6.54	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.76	13	PASS
Band7	20MHz	64QAM	21100	1RB#0	6.88	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.76	13	PASS
Band7	20MHz	64QAM	21350	1RB#0	6.68	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.84	13	PASS

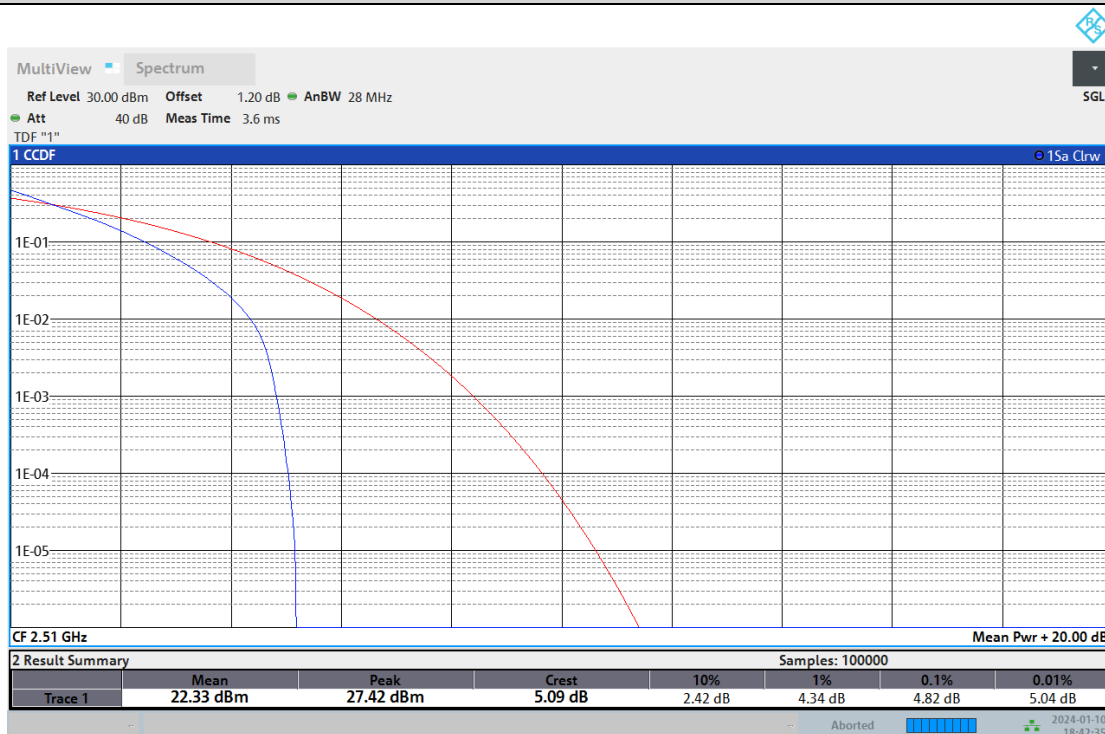
Test Graphs

Band7-20MHz-QPSK-20850-1RB#0



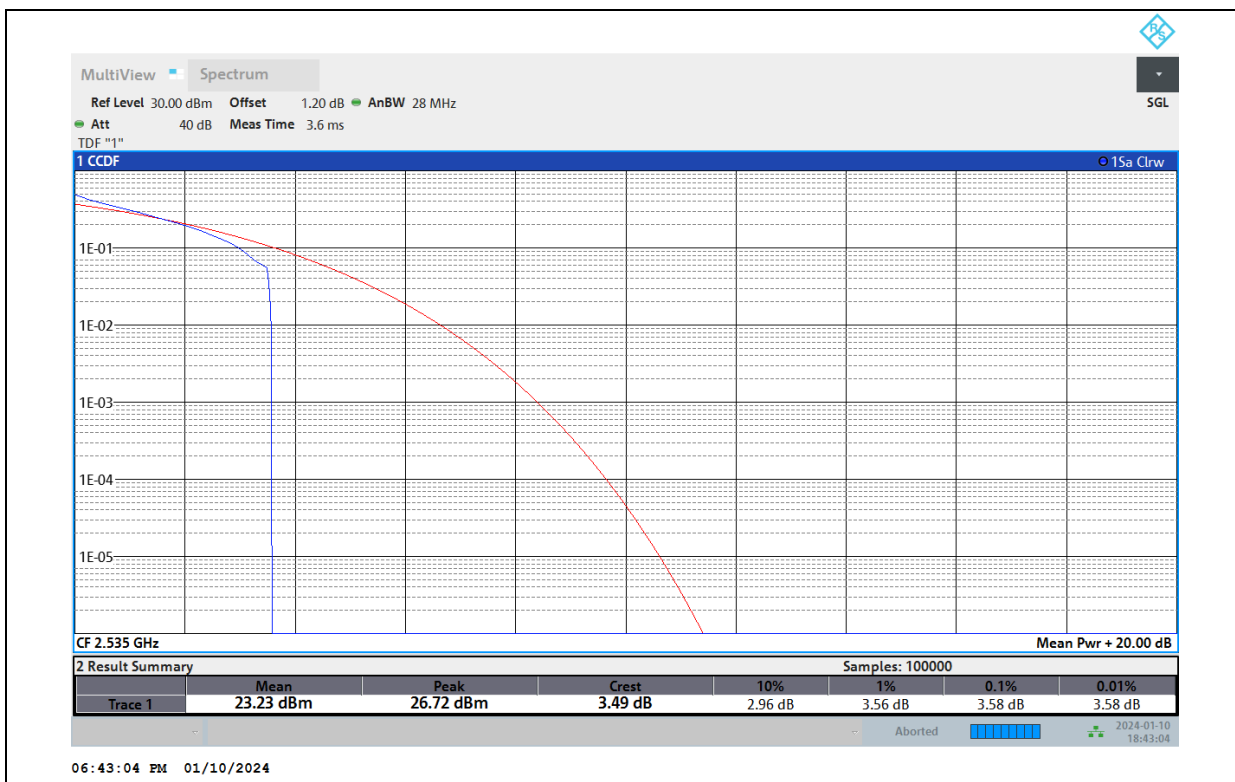
06:42:31 PM 01/10/2024

Band7-20MHz-QPSK-20850-100RB#0

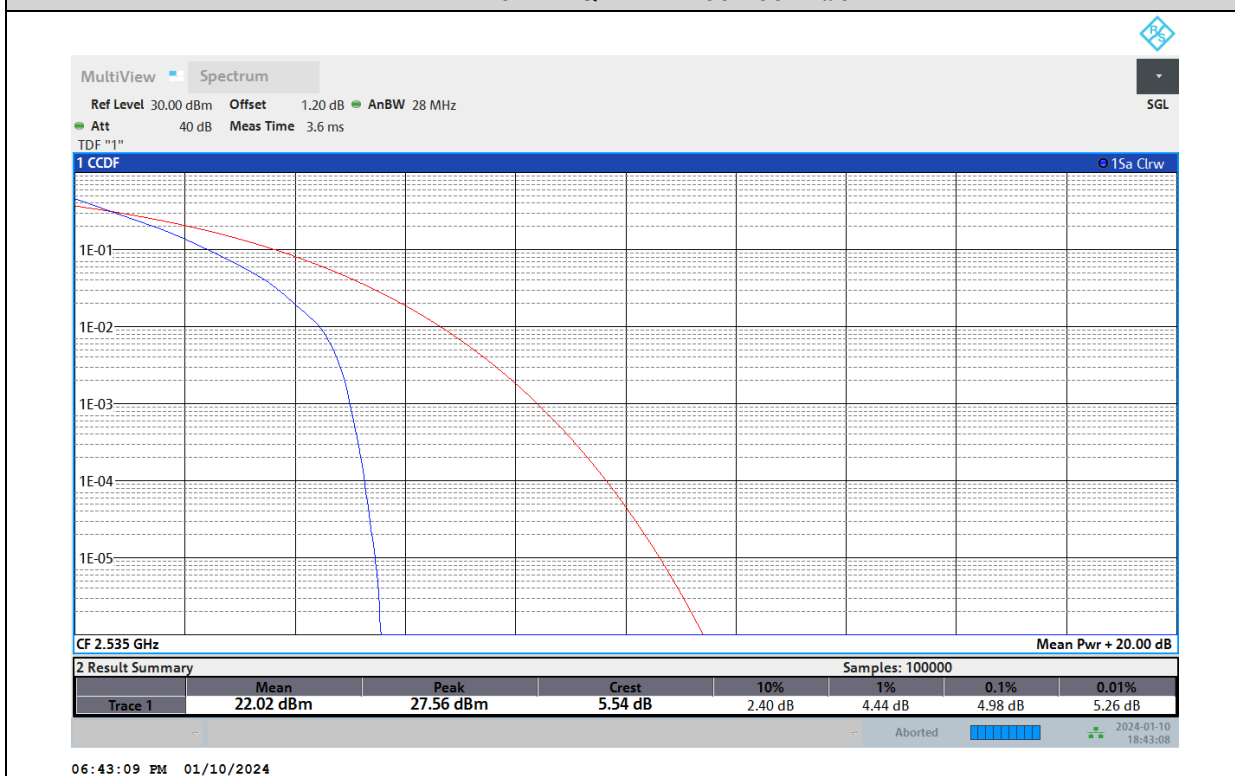


06:42:35 PM 01/10/2024

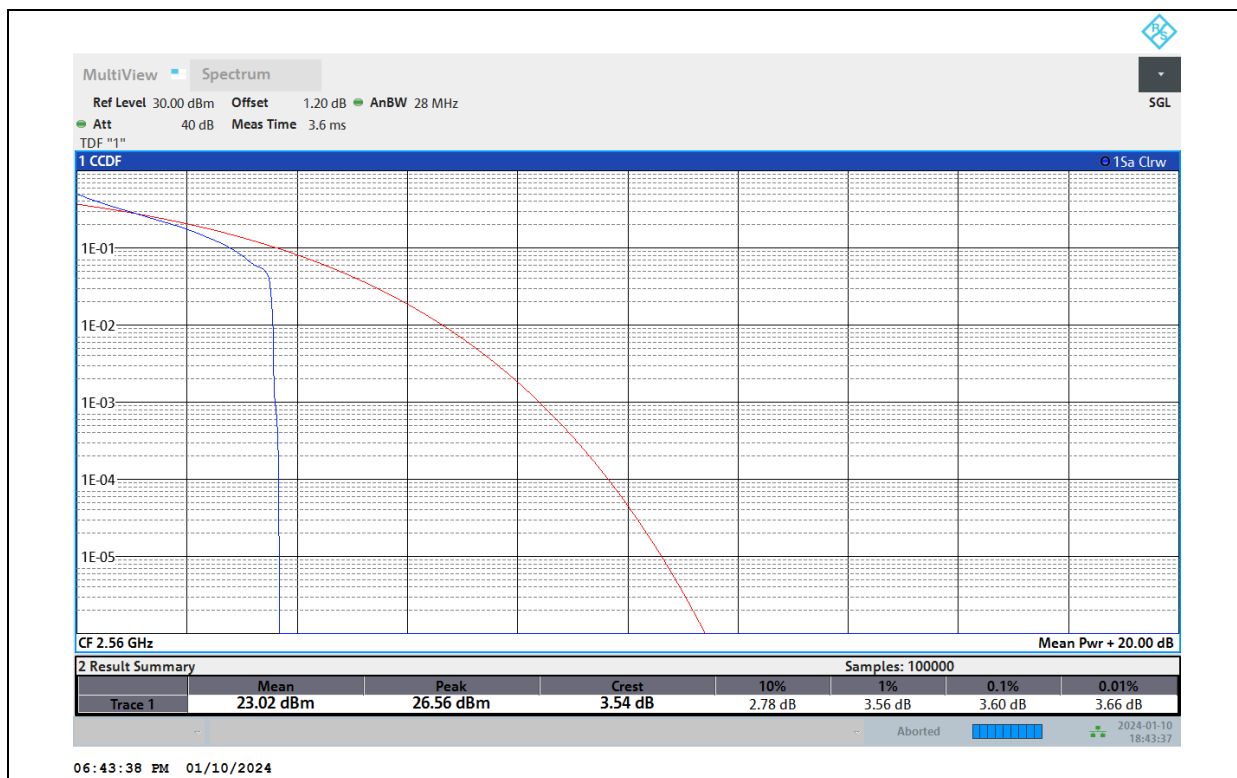
Band7-20MHz-QPSK-21100-1RB#0



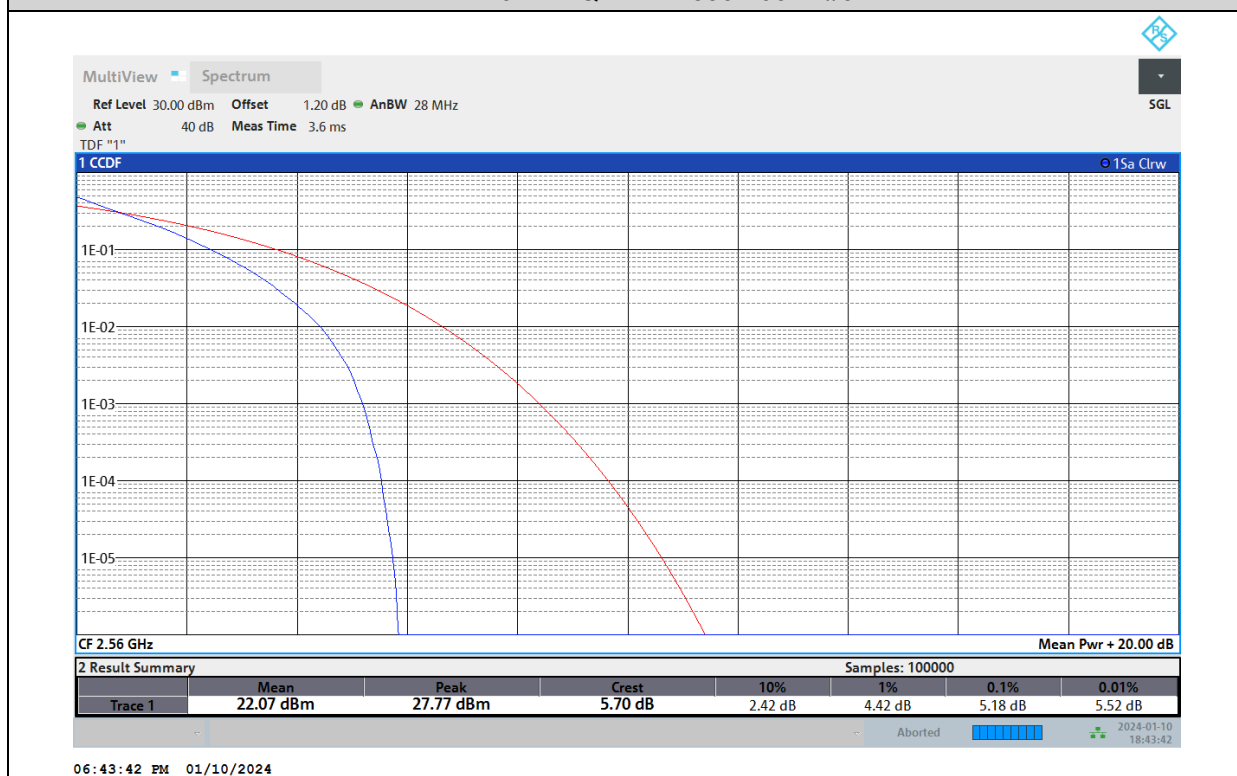
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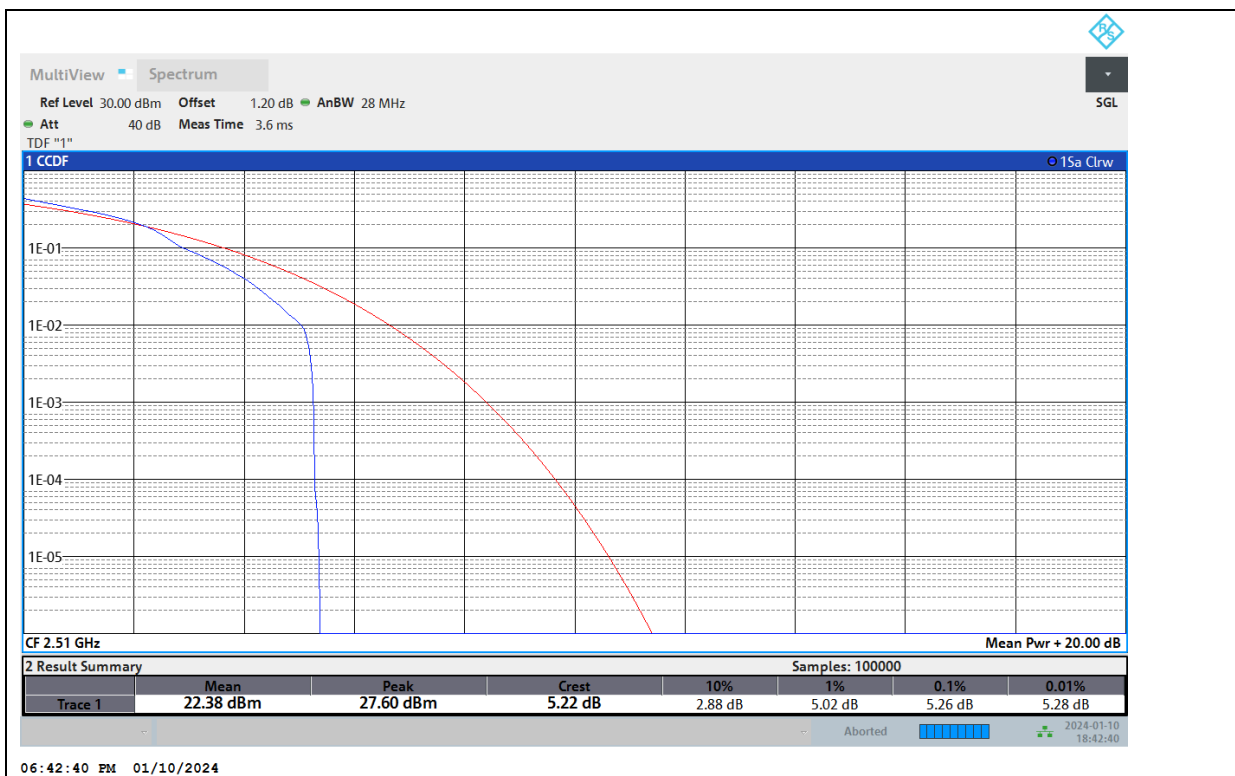
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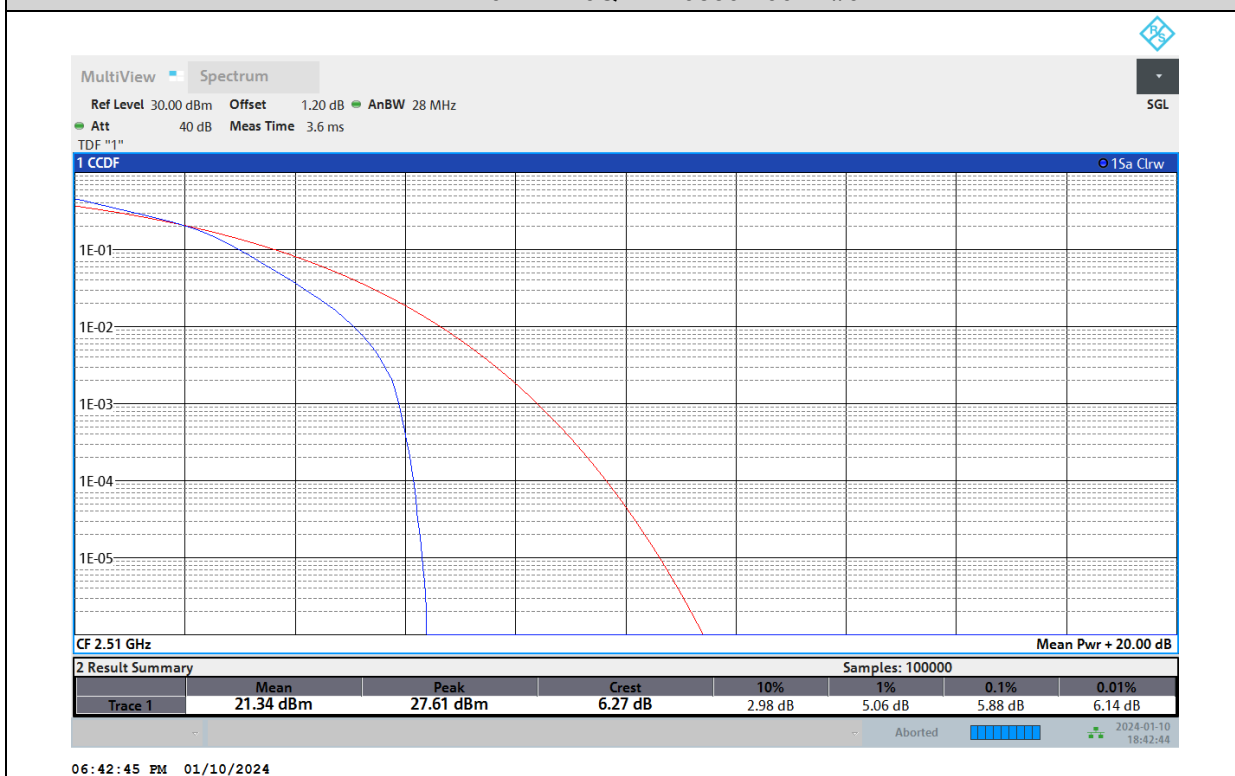
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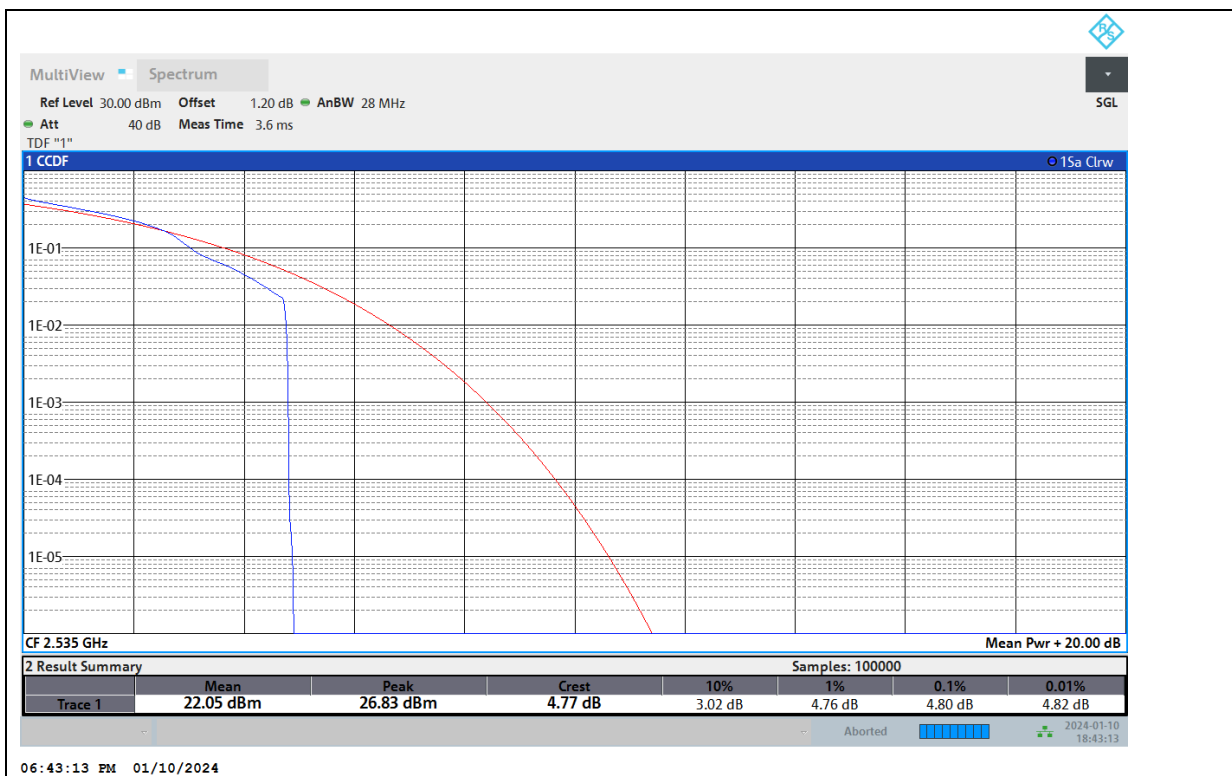
Band7-20MHz-16QAM-20850-1RB#0



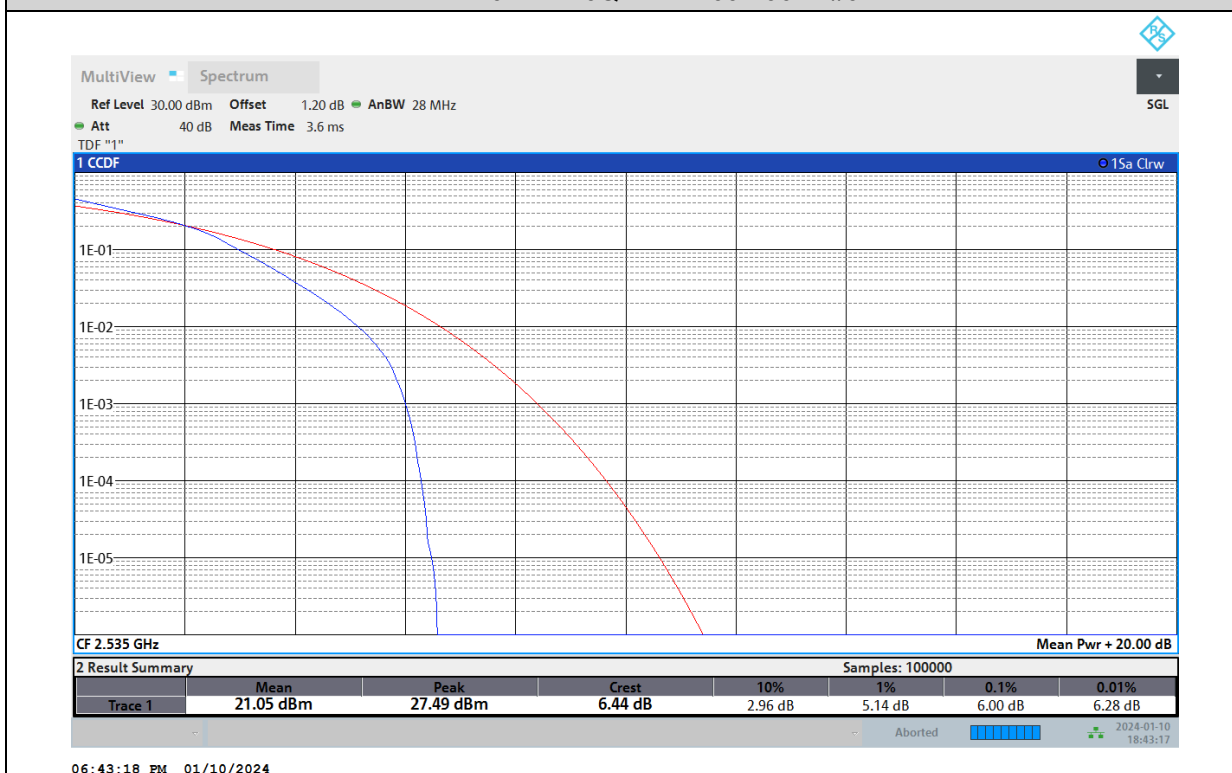
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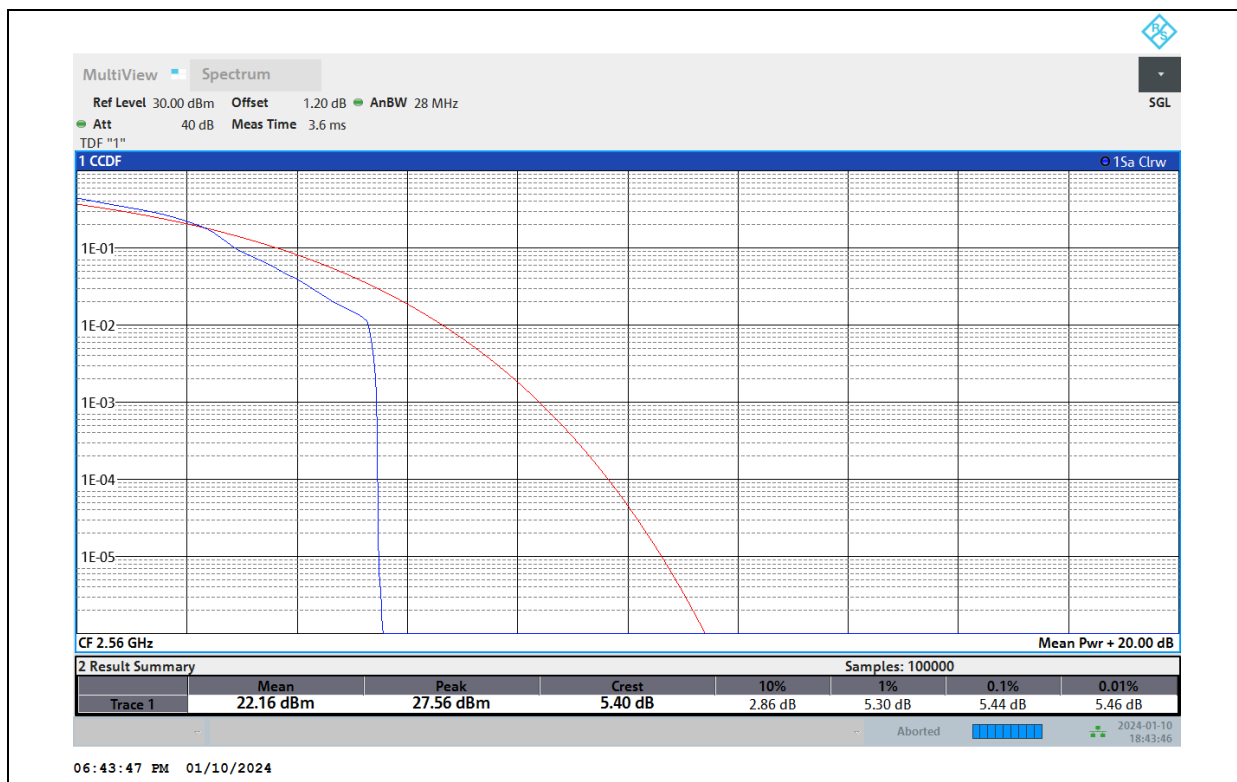
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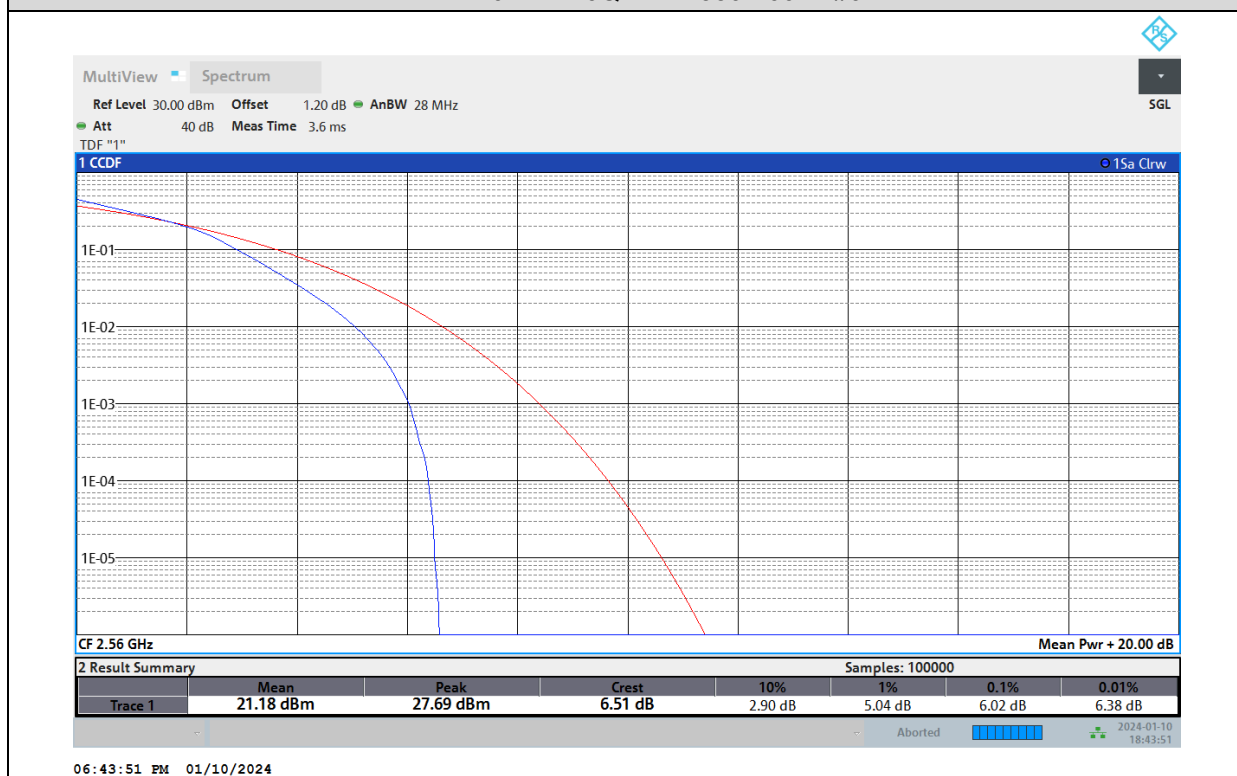
Band7-20MHz-16QAM-21100-100RB#0



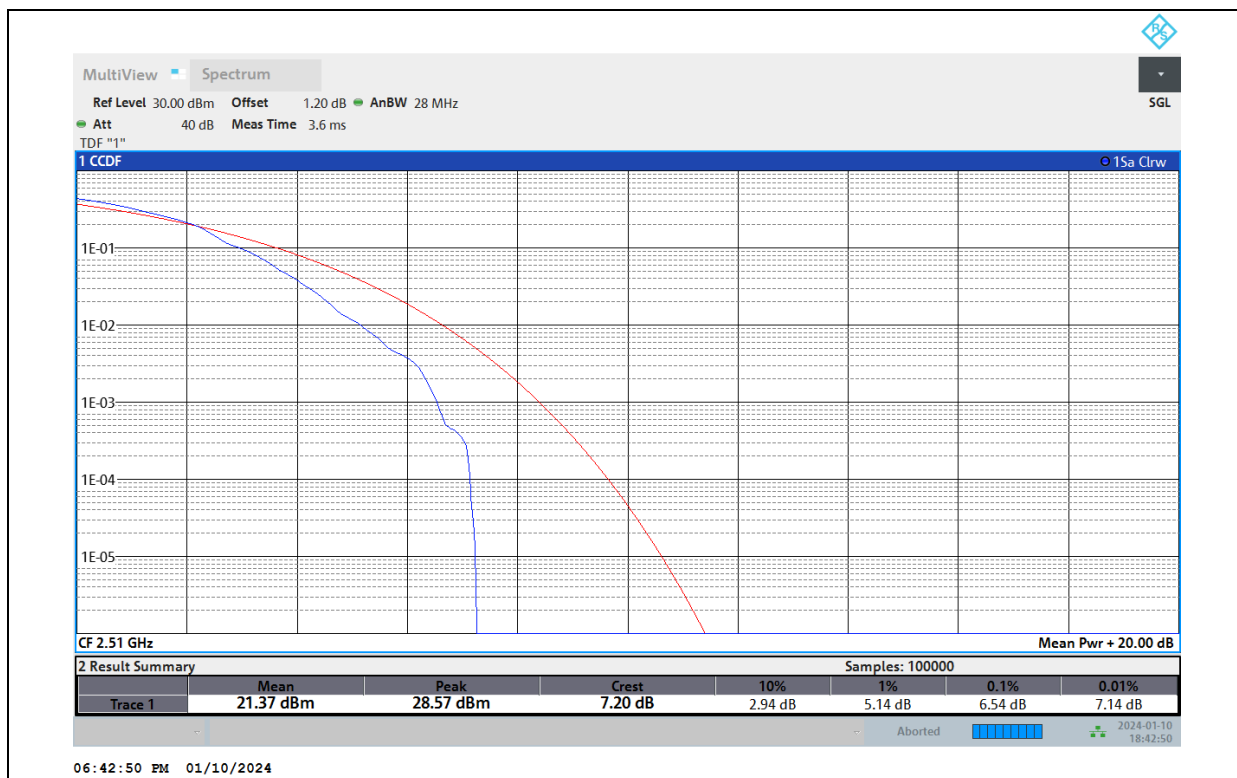
Band7-20MHz-16QAM-21350-1RB#0



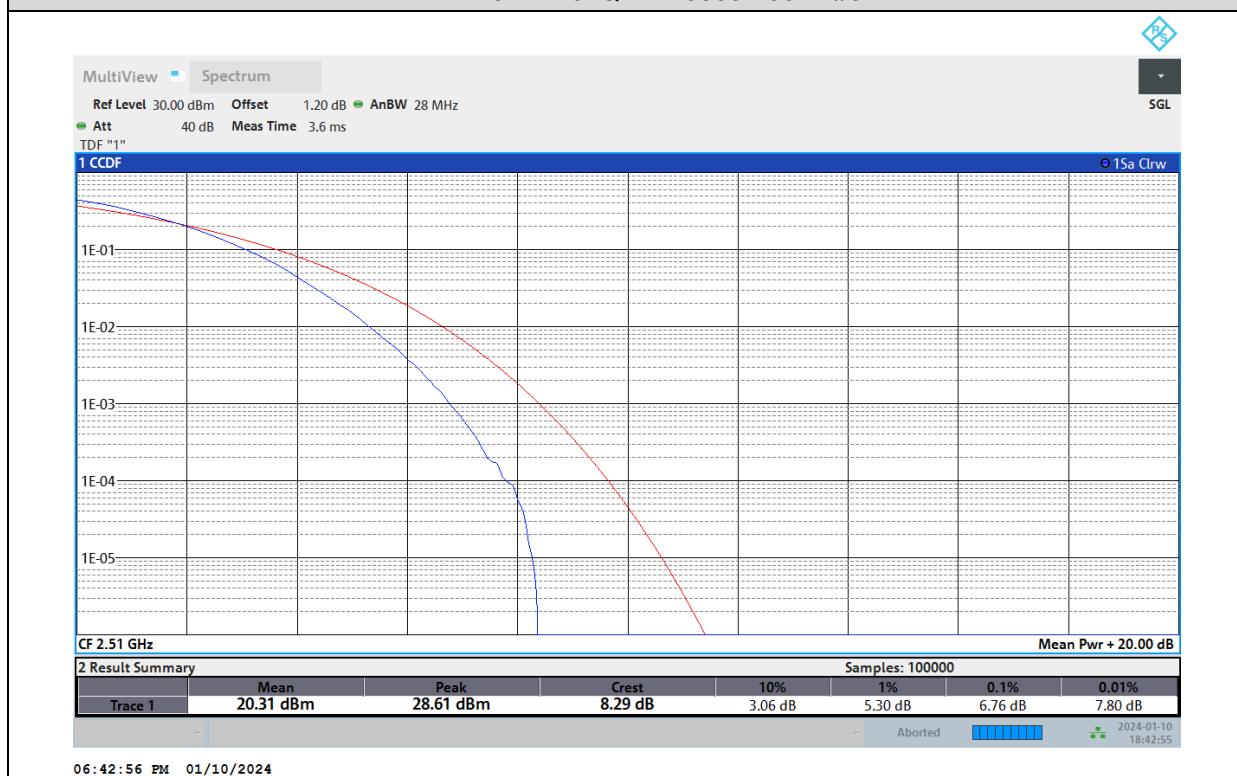
Band7-20MHz-16QAM-21350-100RB#0



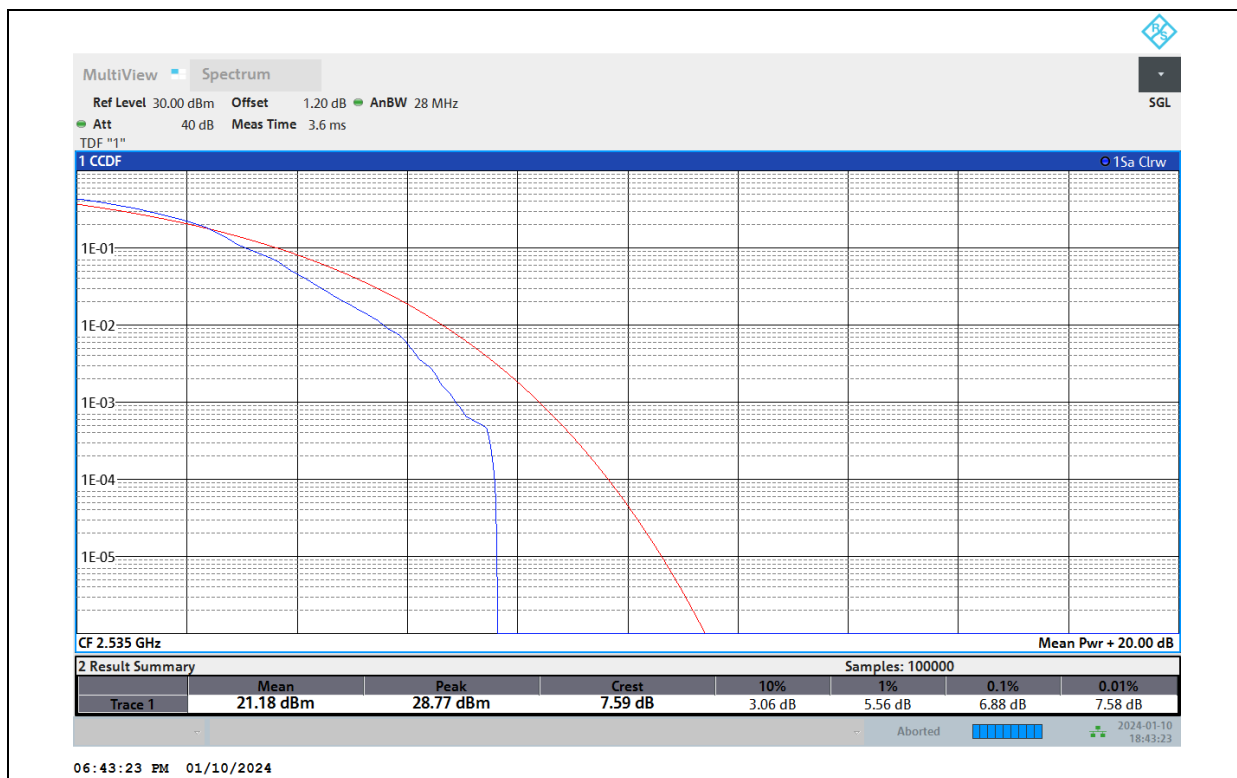
Band7-20MHz-64QAM-20850-1RB#0



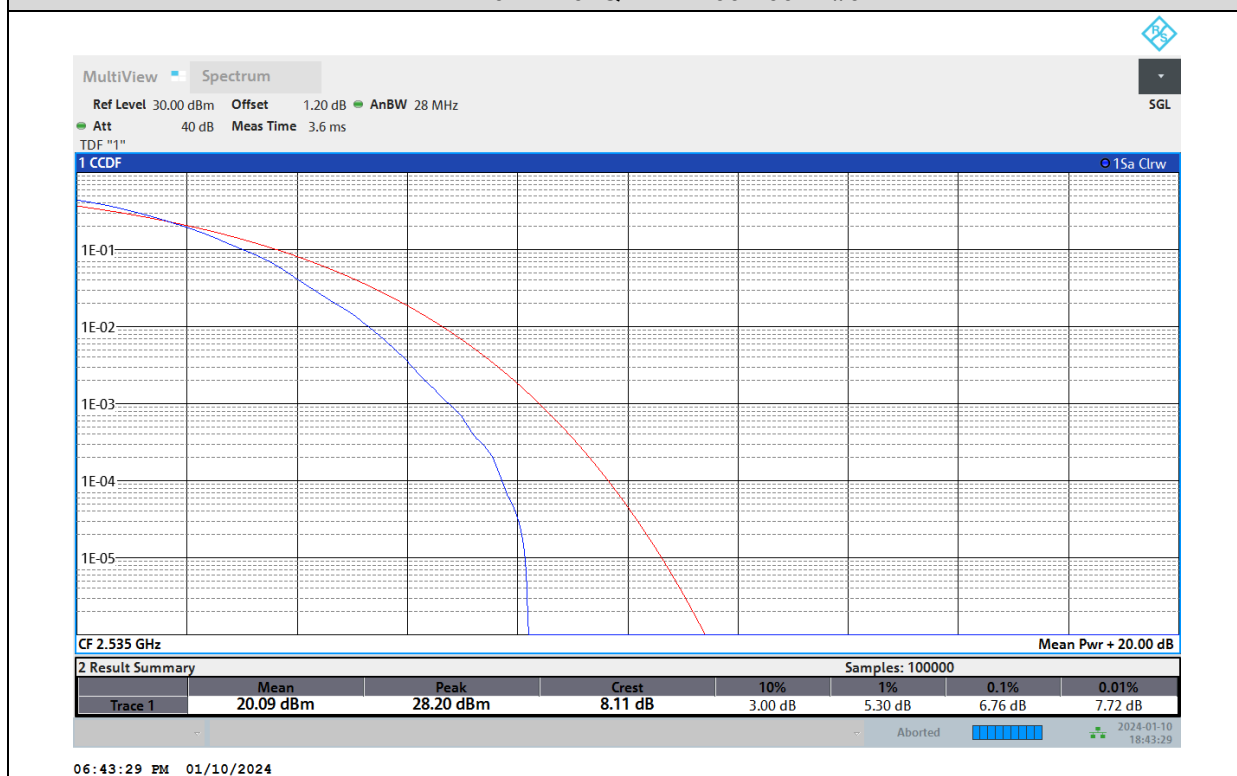
Band7-20MHz-64QAM-20850-100RB#0



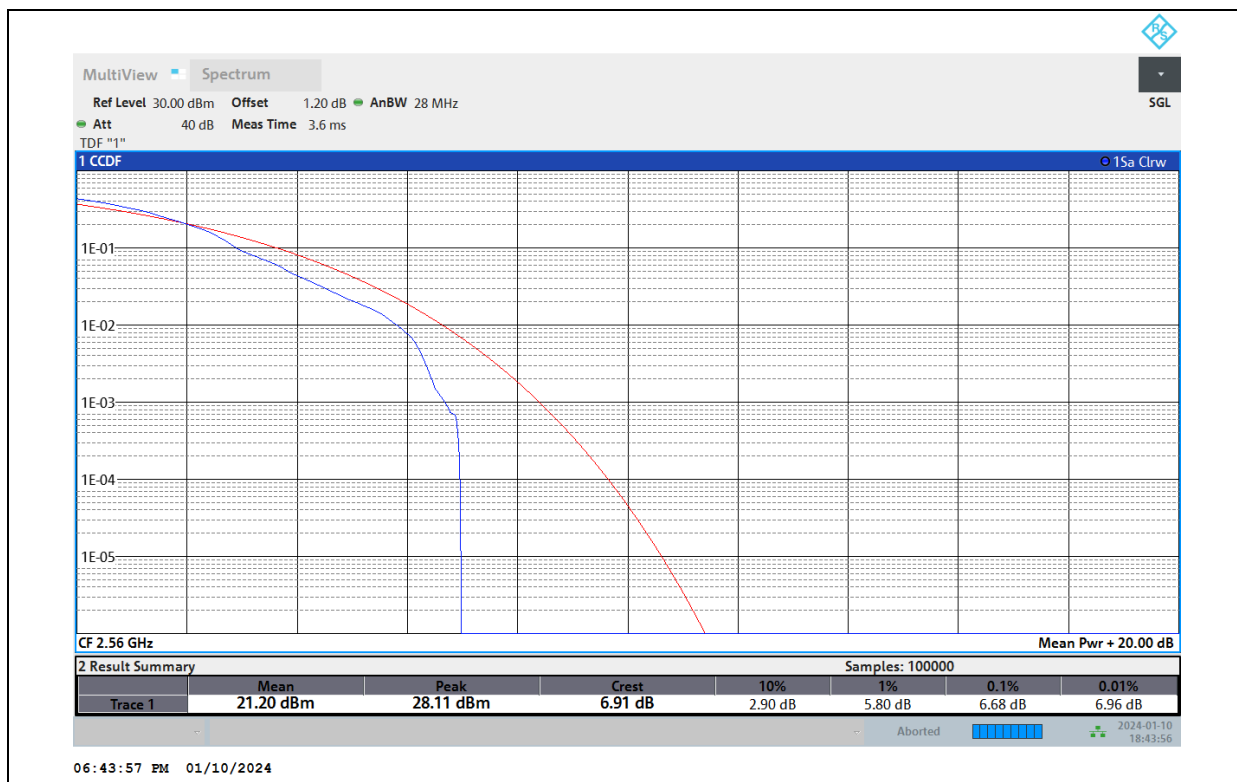
Band7-20MHz-64QAM-21100-1RB#0



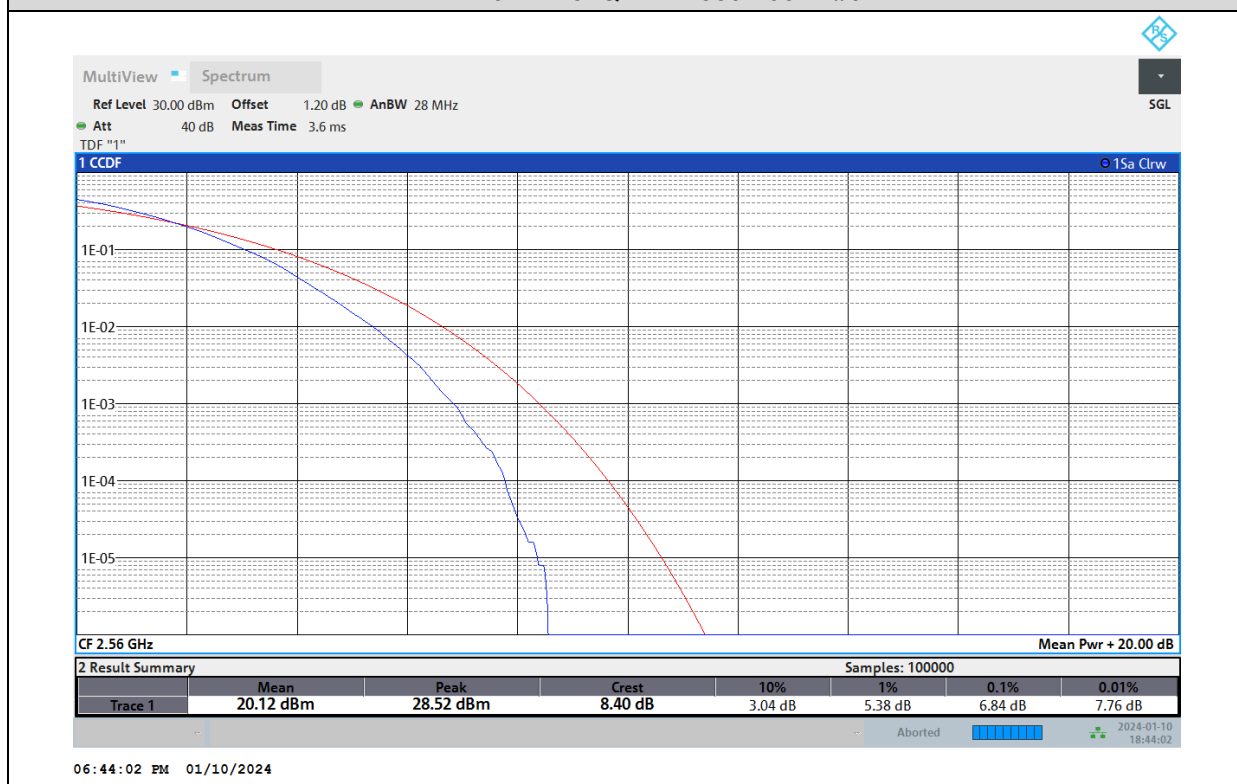
Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-64QAM-21350-1RB#0



Band7-20MHz-64QAM-21350-100RB#0

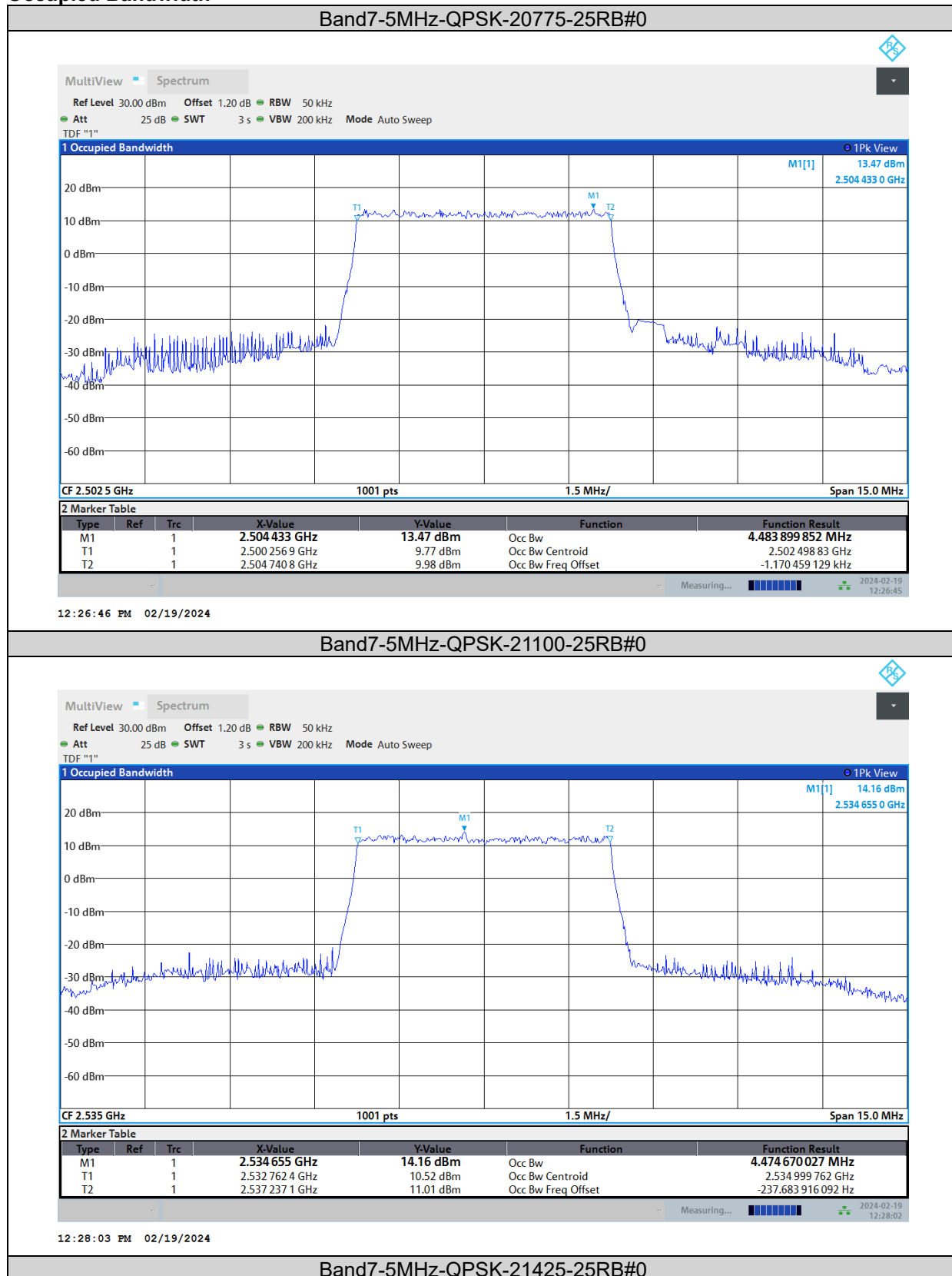


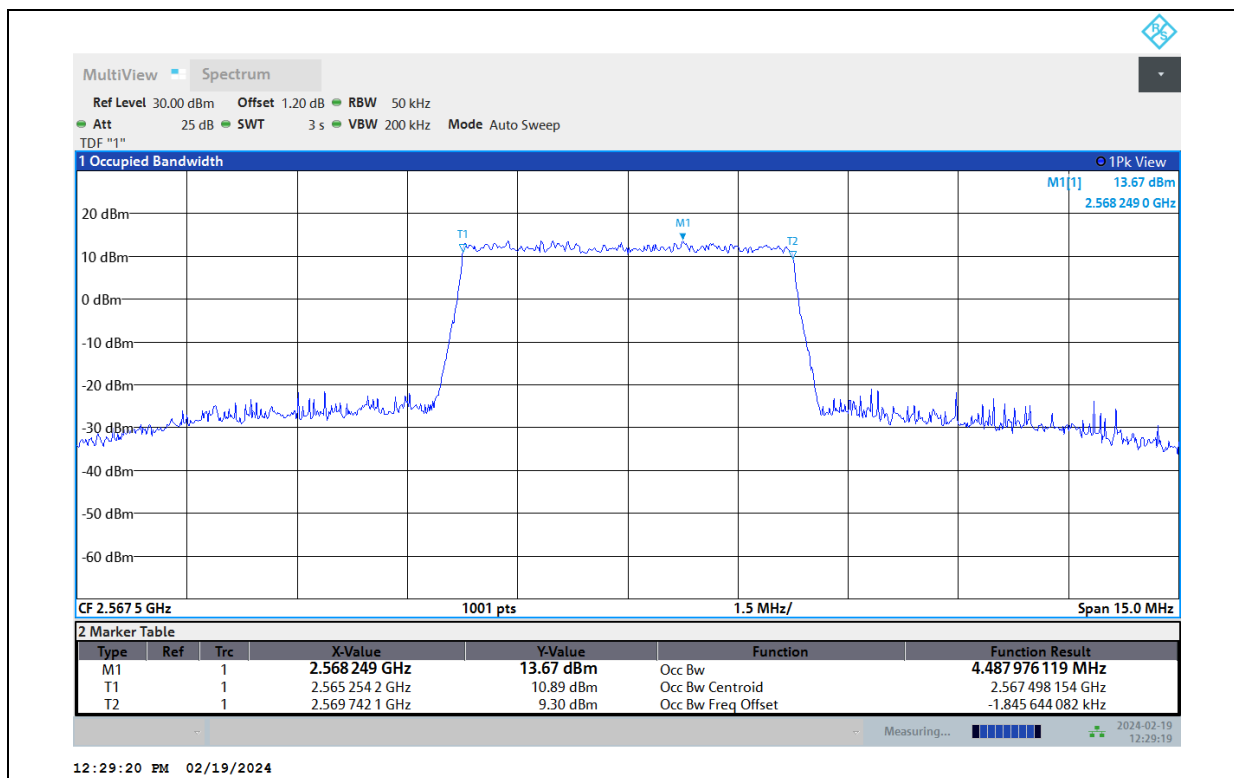
26DB BANDWIDTH AND OCCUPIED BANDWID Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.484	4.88	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.475	4.87	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.488	4.90	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.488	4.88	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.481	4.93	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.478	4.86	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.481	4.92	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.477	4.87	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.479	4.87	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.960	9.74	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.967	9.65	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.951	9.74	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.967	9.62	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.951	9.62	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.954	9.65	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.956	9.65	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.950	9.59	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.941	9.68	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.460	14.74	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.483	14.56	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.414	14.61	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.479	14.61	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.56	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.439	14.61	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.501	14.56	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.426	14.61	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.434	14.48	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.955	19.12	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.922	19.12	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.860	19.06	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.921	19.24	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.917	19.30	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.883	19.24	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.908	19.30	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.890	19.24	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.890	19.00	PASS

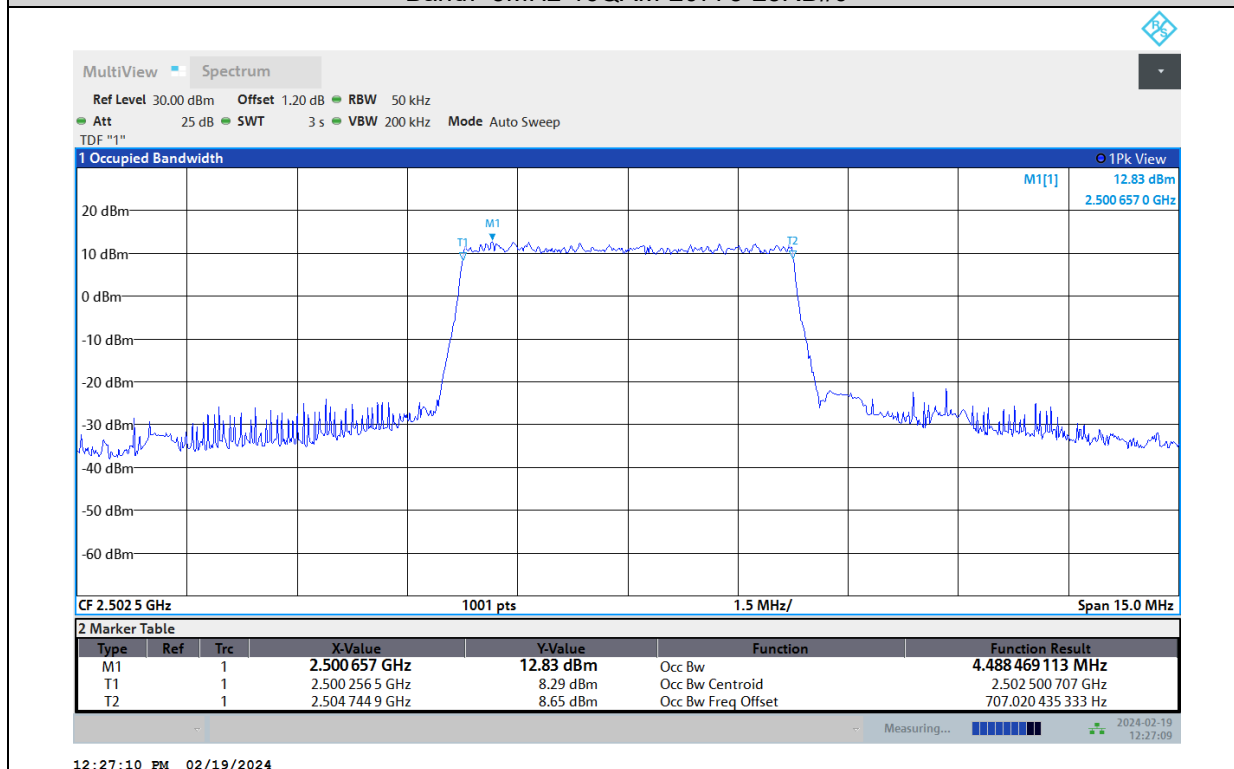
Test Graphs

Occupied Bandwidth

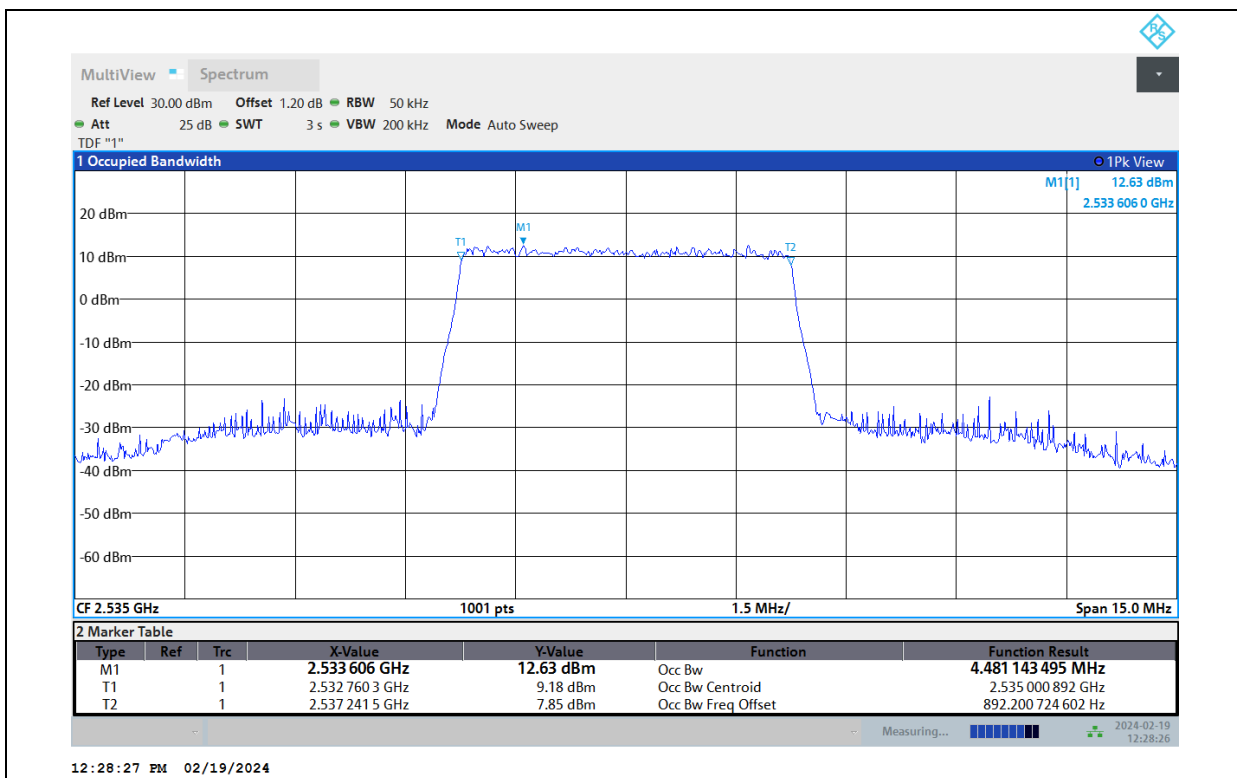




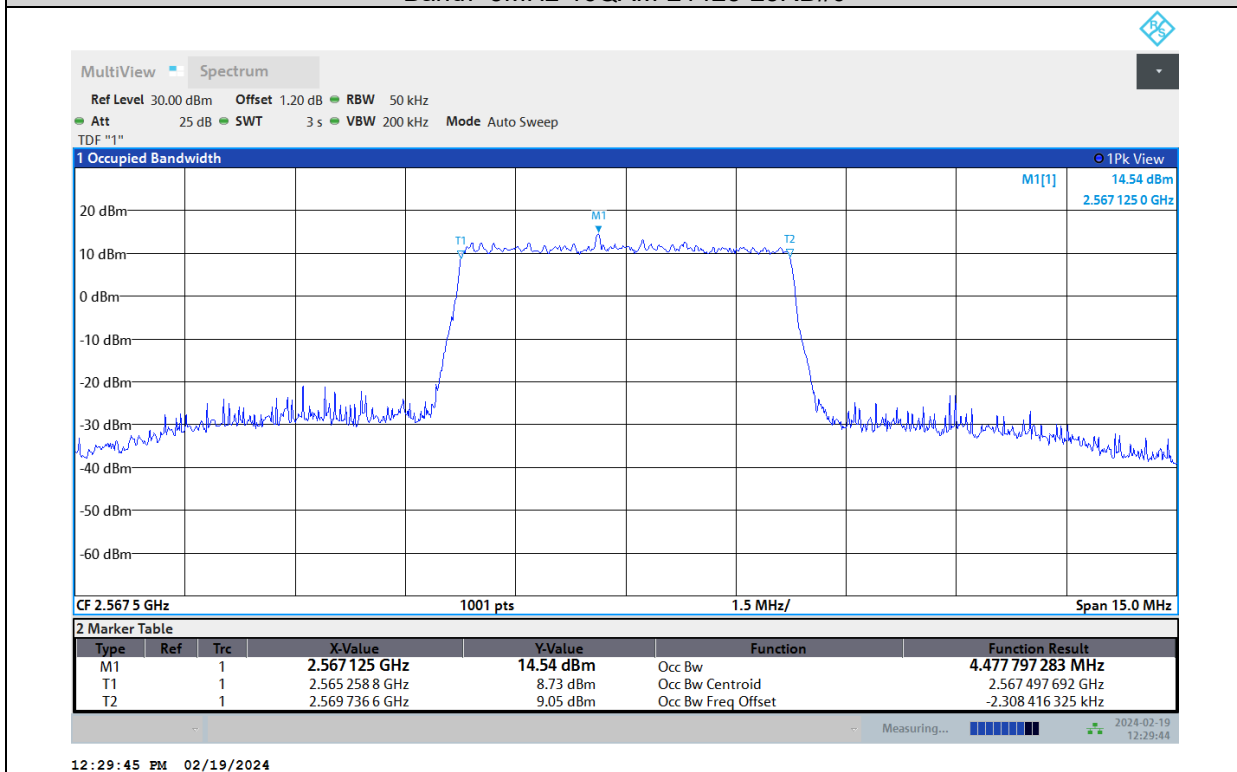
Band7-5MHz-16QAM-20775-25RB#0



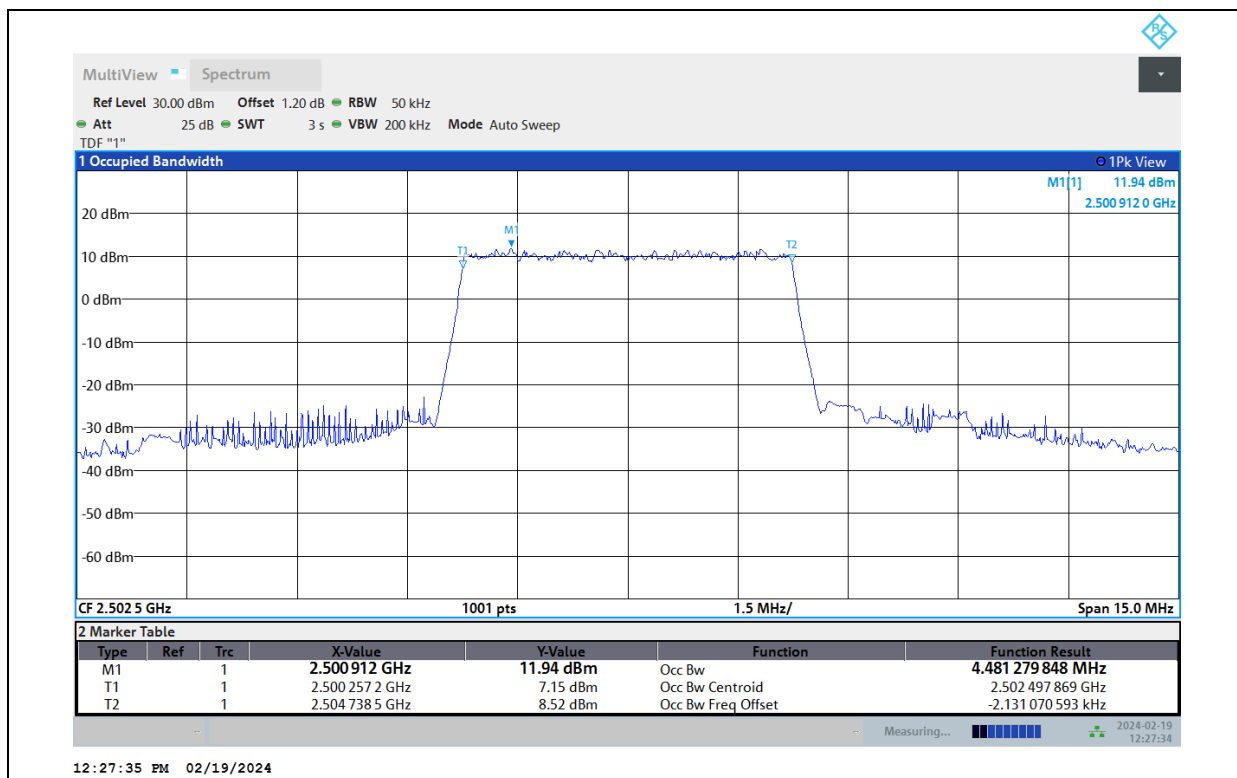
Band7-5MHz-16QAM-21100-25RB#0



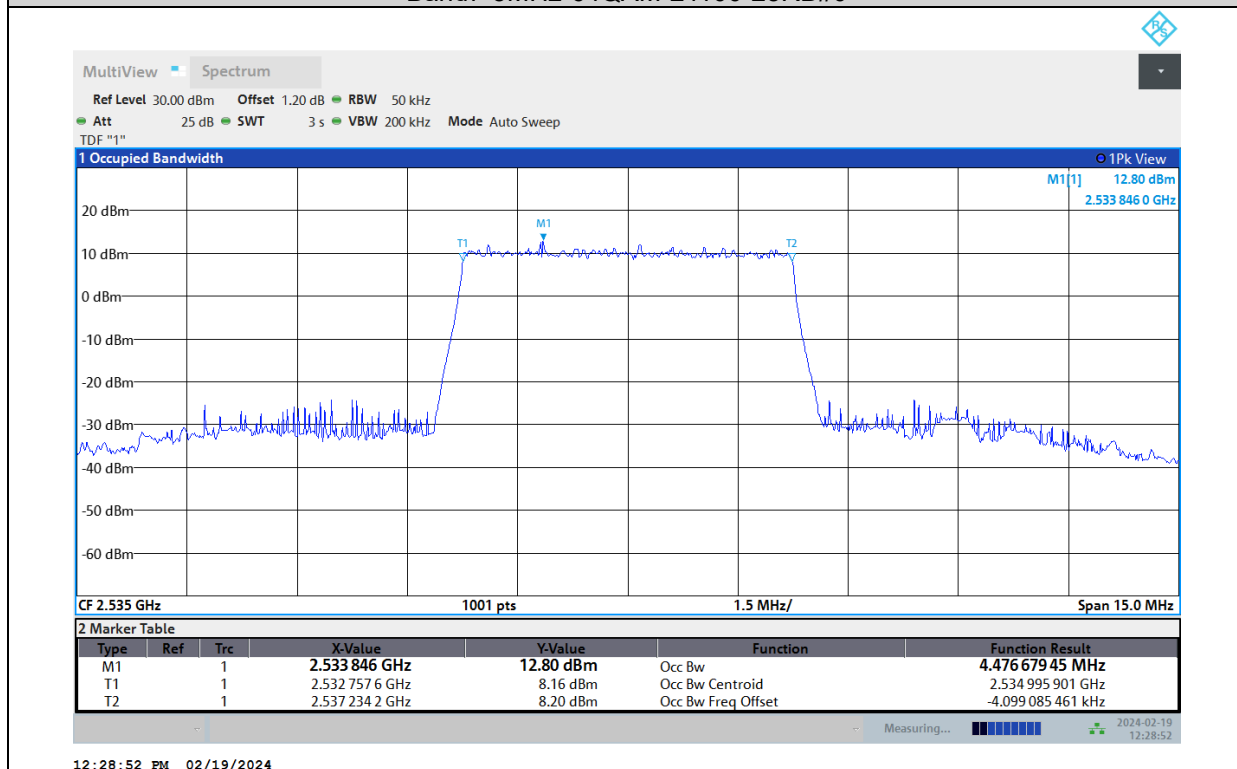
Band7-5MHz-16QAM-21425-25RB#0



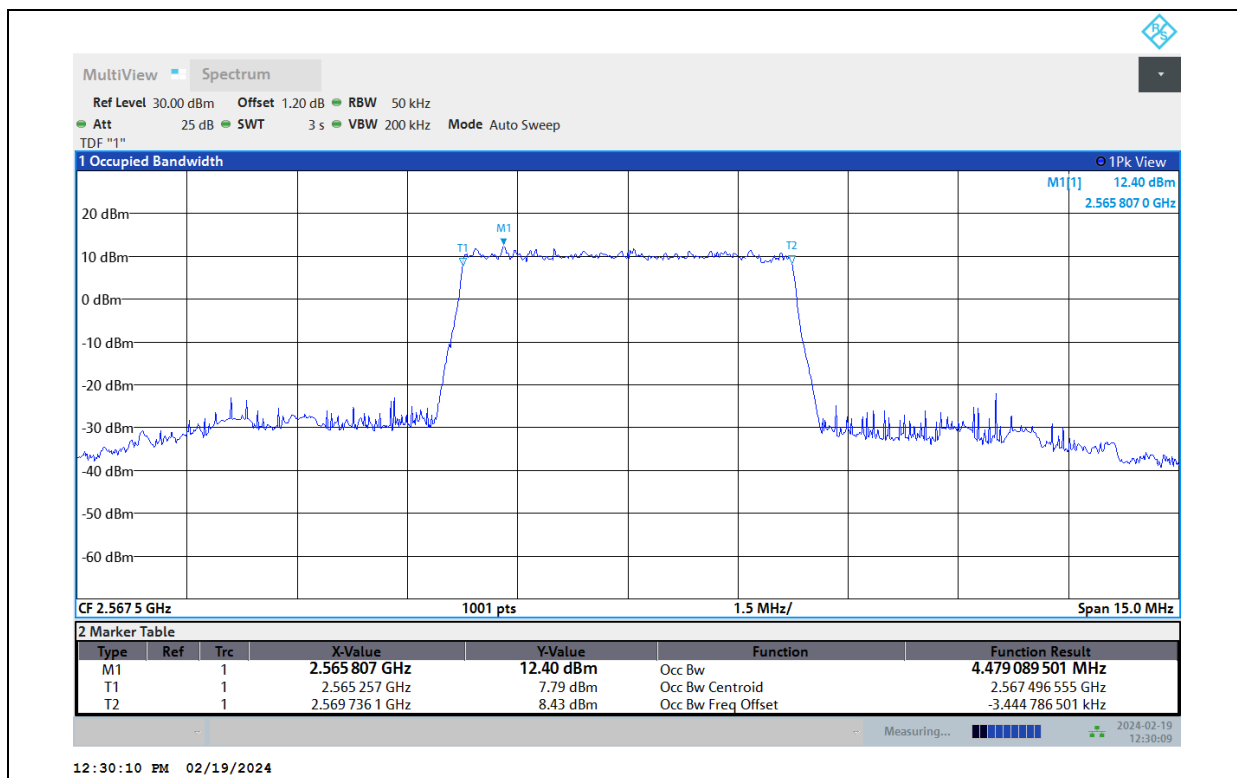
Band7-5MHz-64QAM-20775-25RB#0



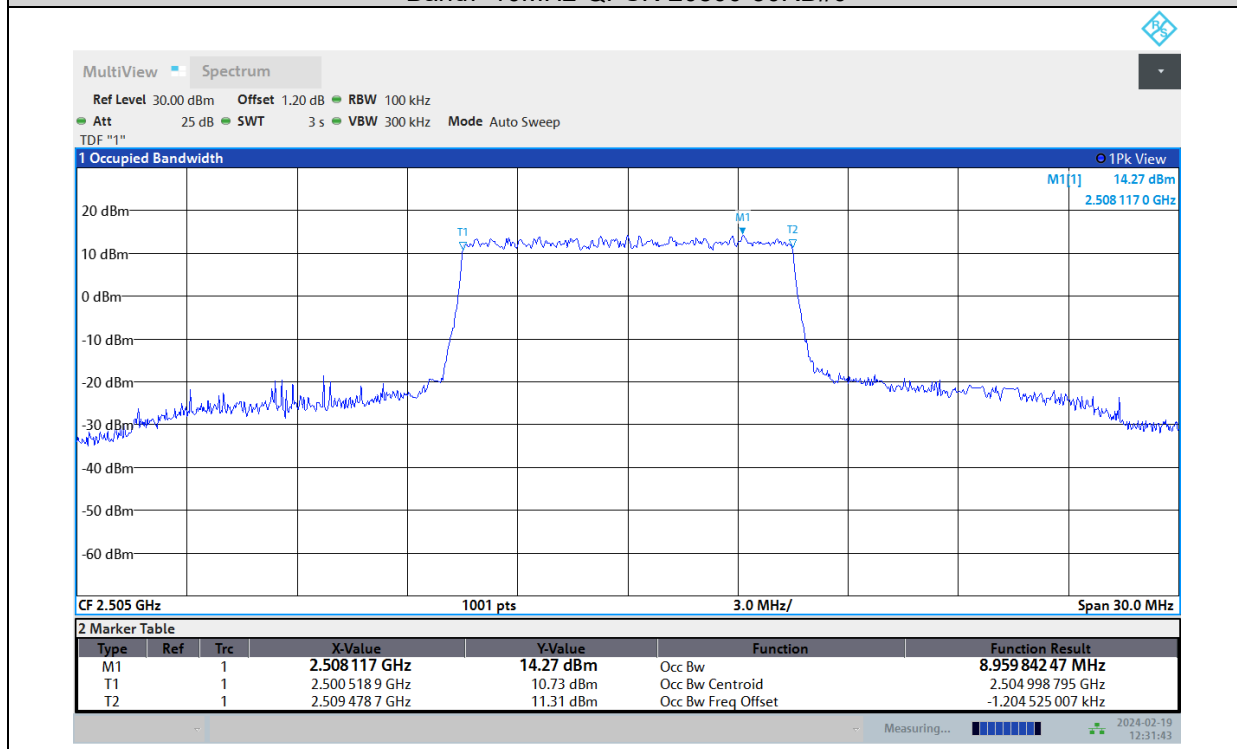
Band7-5MHz-64QAM-21100-25RB#0



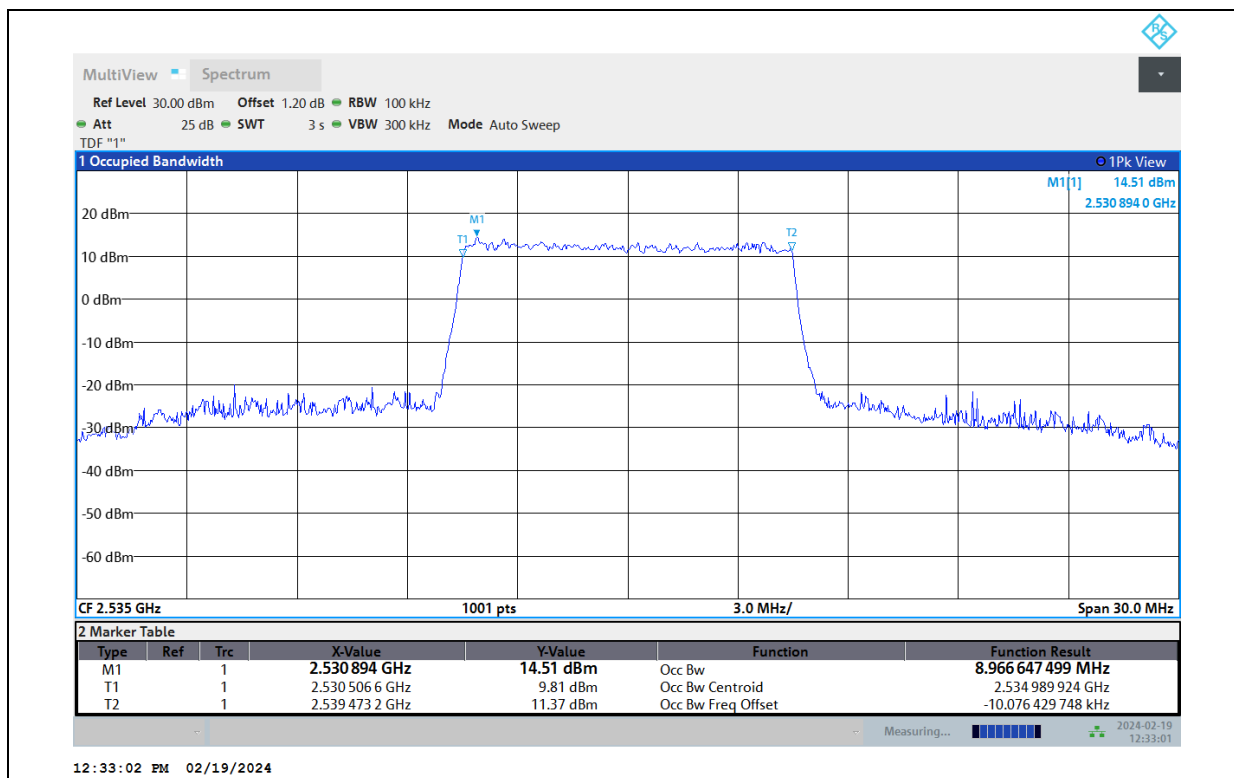
Band7-5MHz-64QAM-21425-25RB#0



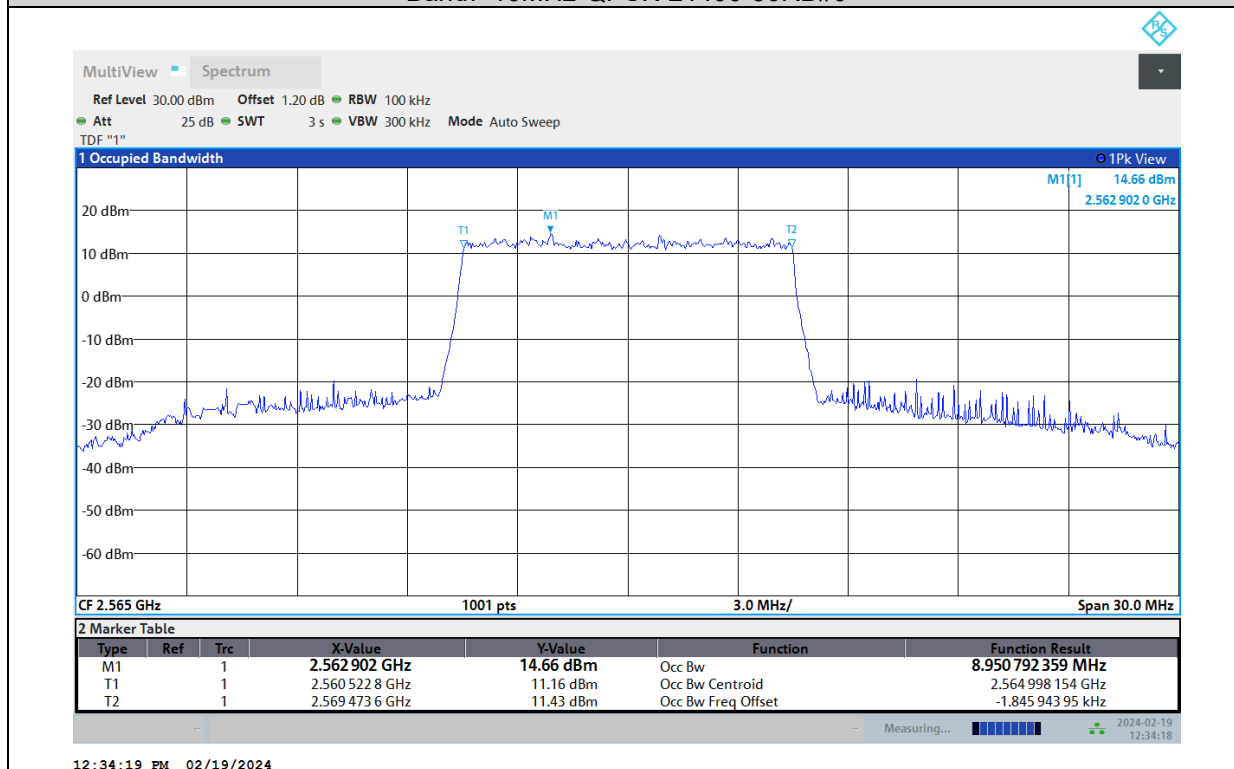
Band7-10MHz-QPSK-20800-50RB#0



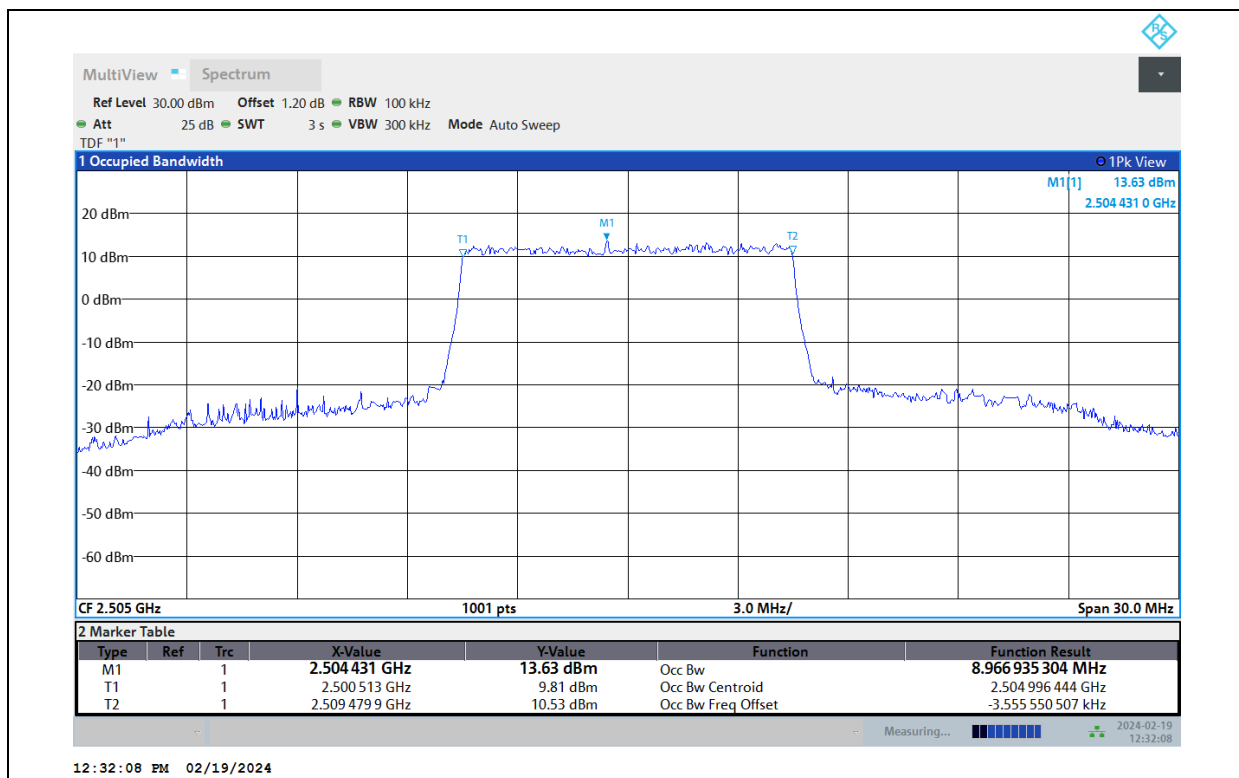
Band7-10MHz-QPSK-21100-50RB#0



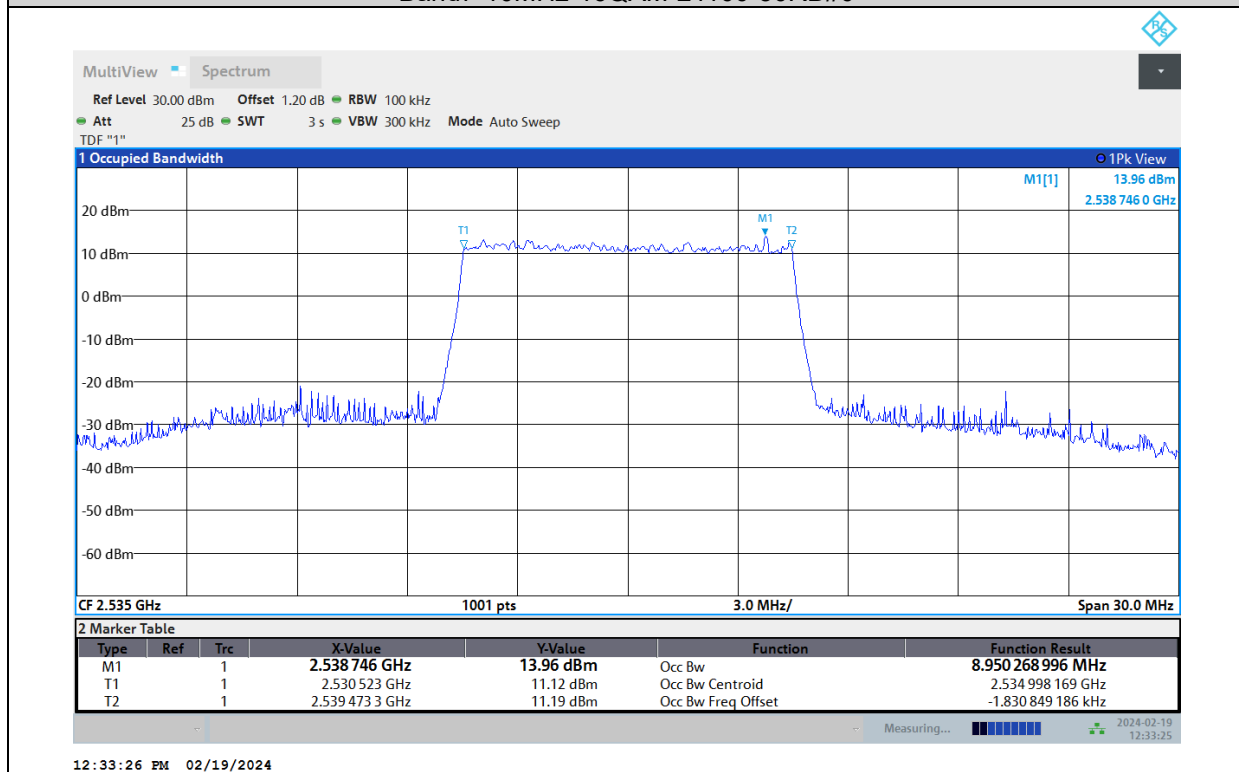
Band7-10MHz-QPSK-21400-50RB#0



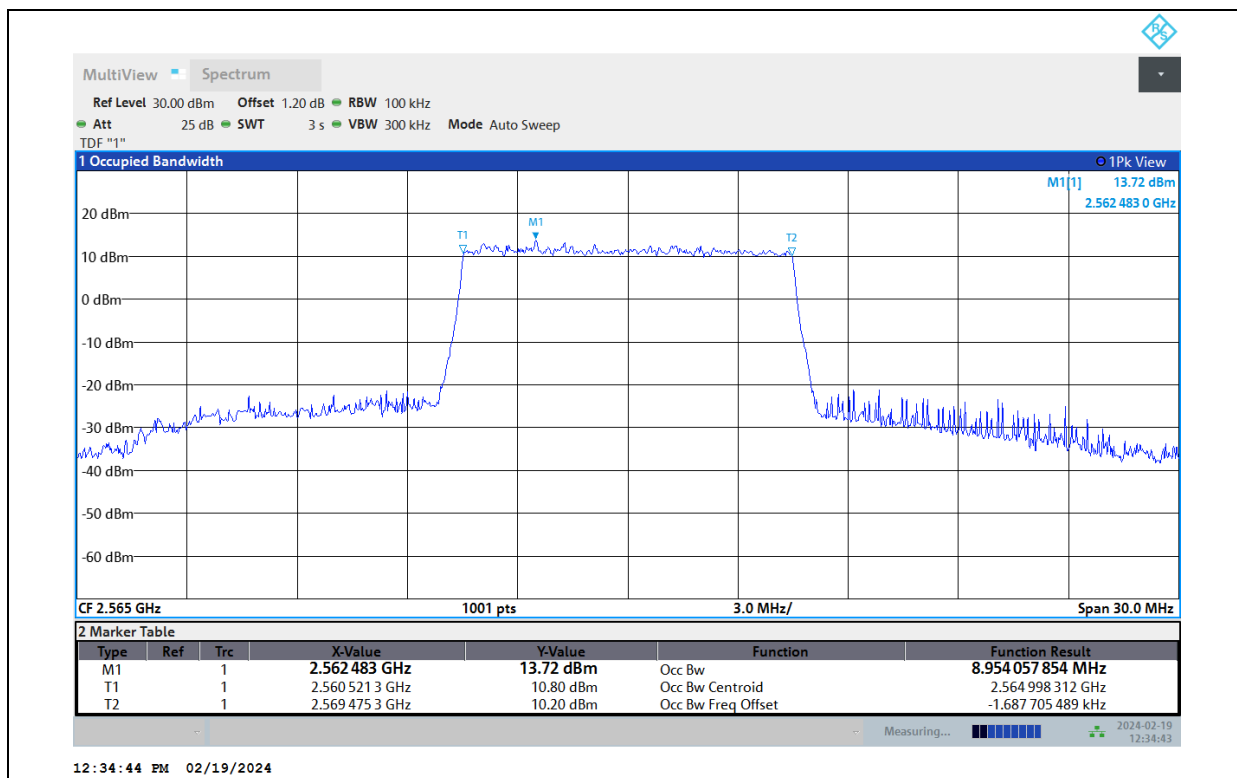
Band7-10MHz-16QAM-20800-50RB#0



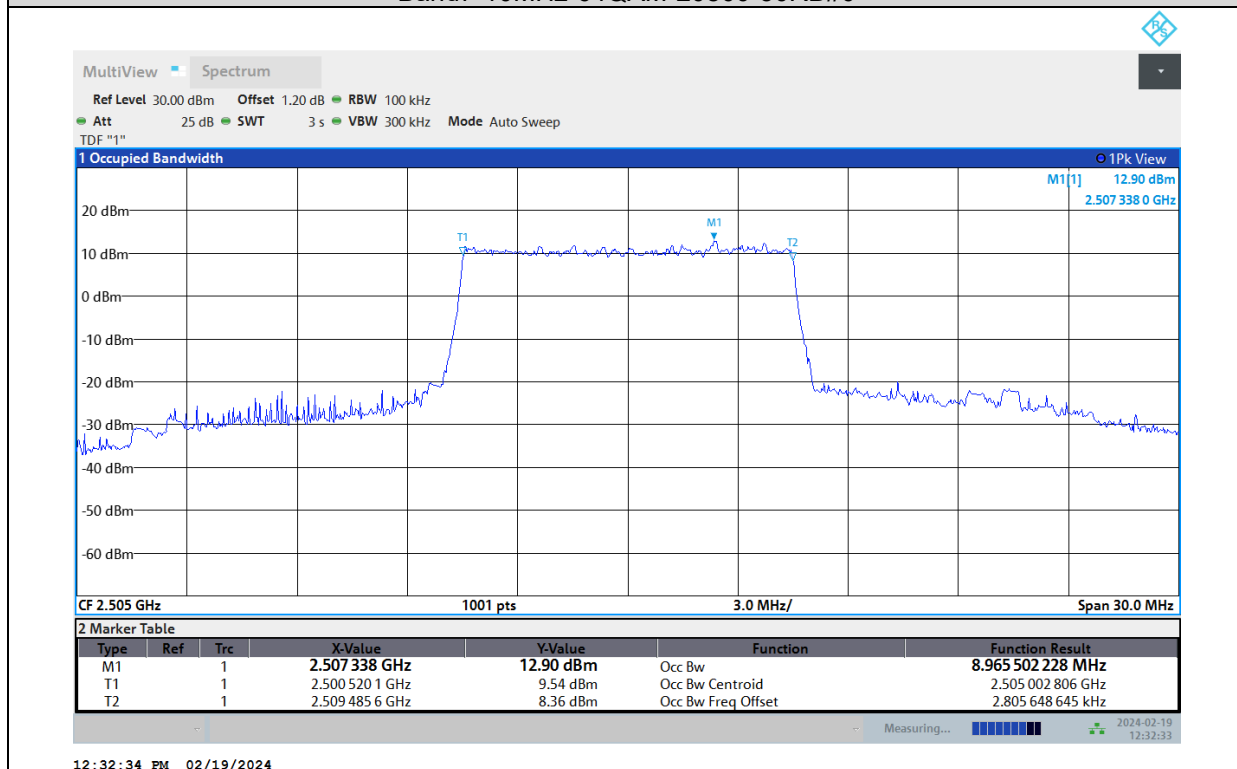
Band7-10MHz-16QAM-21100-50RB#0



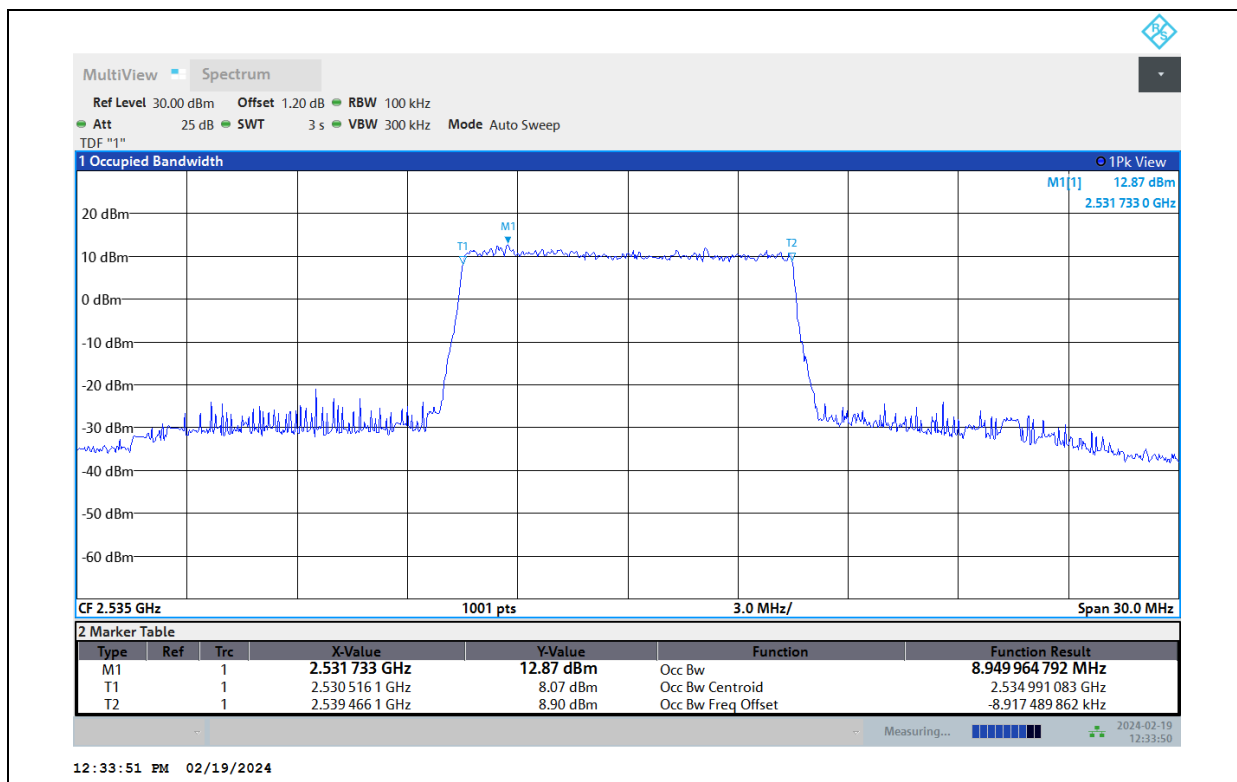
Band7-10MHz-16QAM-21400-50RB#0



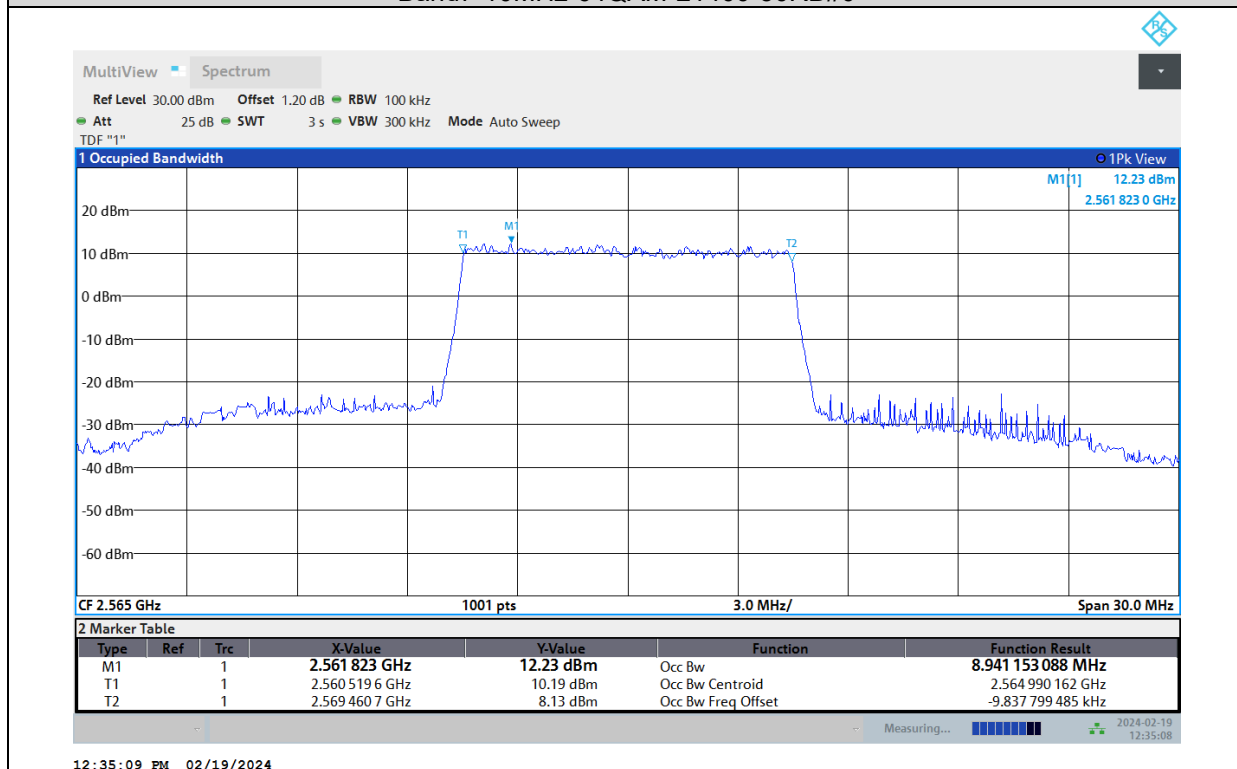
Band7-10MHz-64QAM-20800-50RB#0



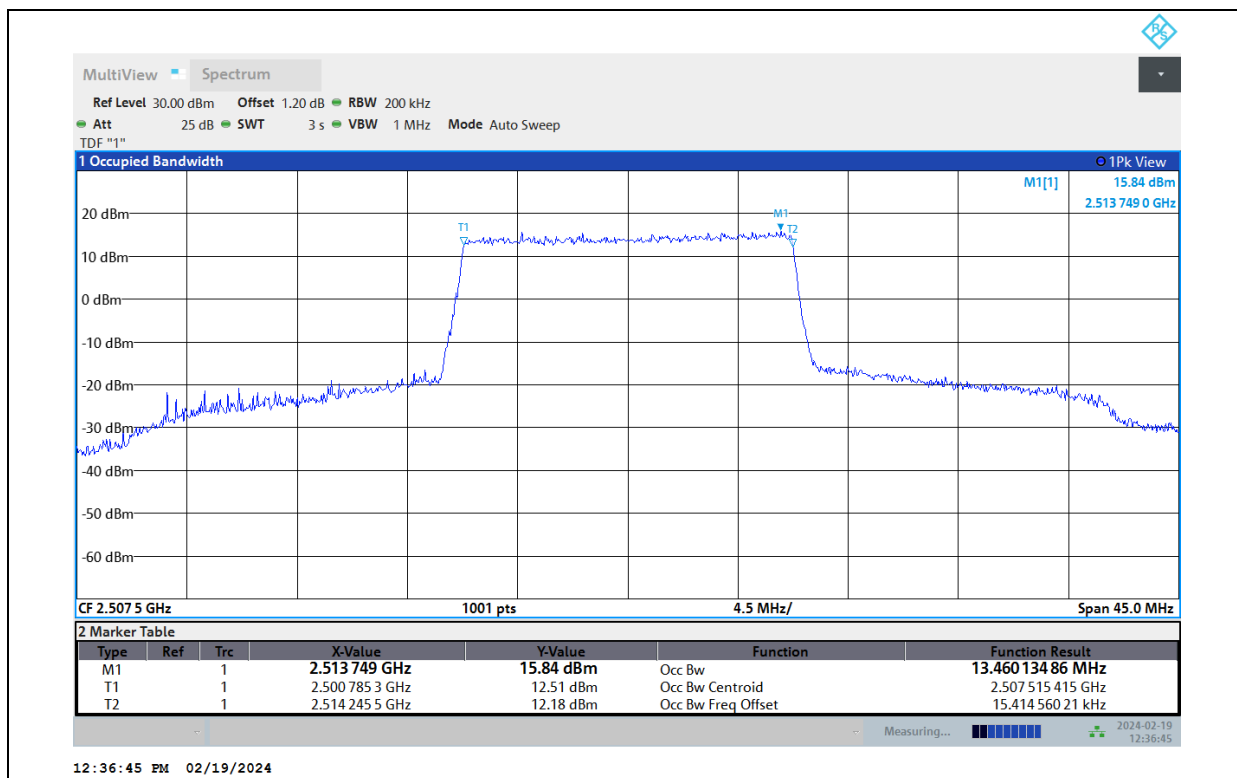
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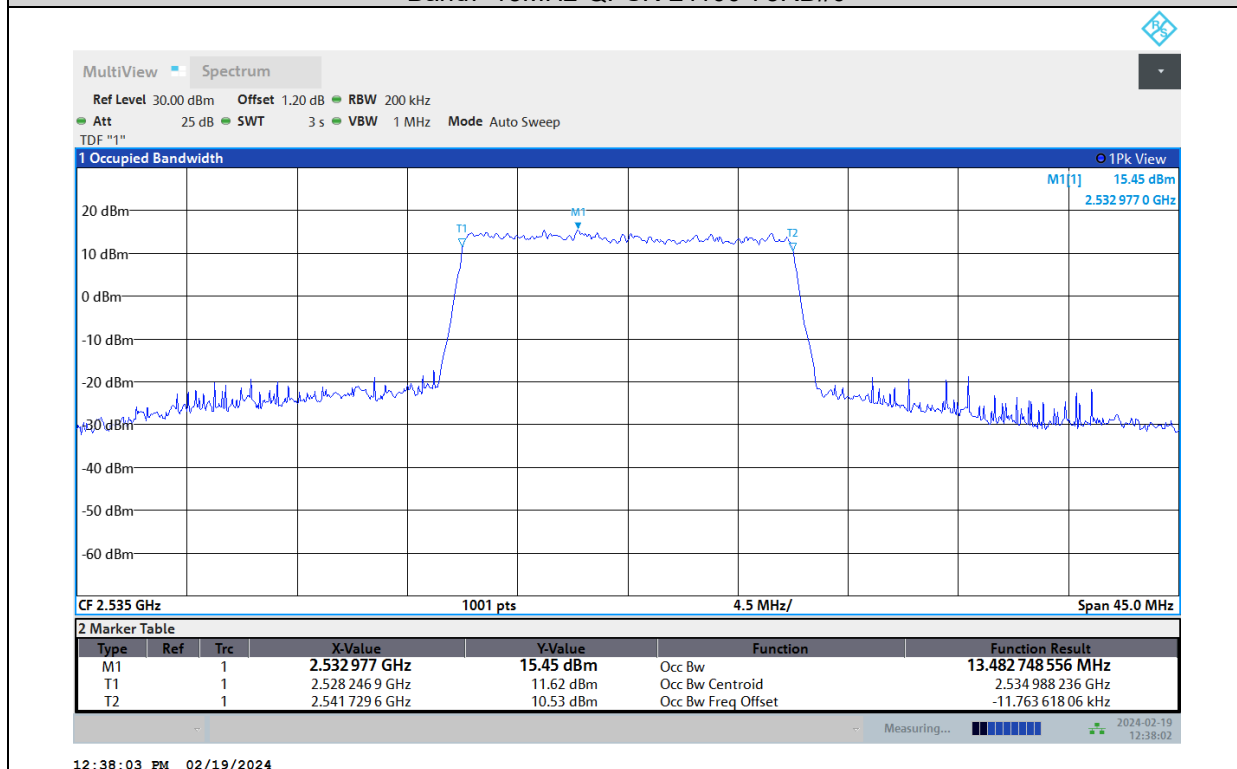
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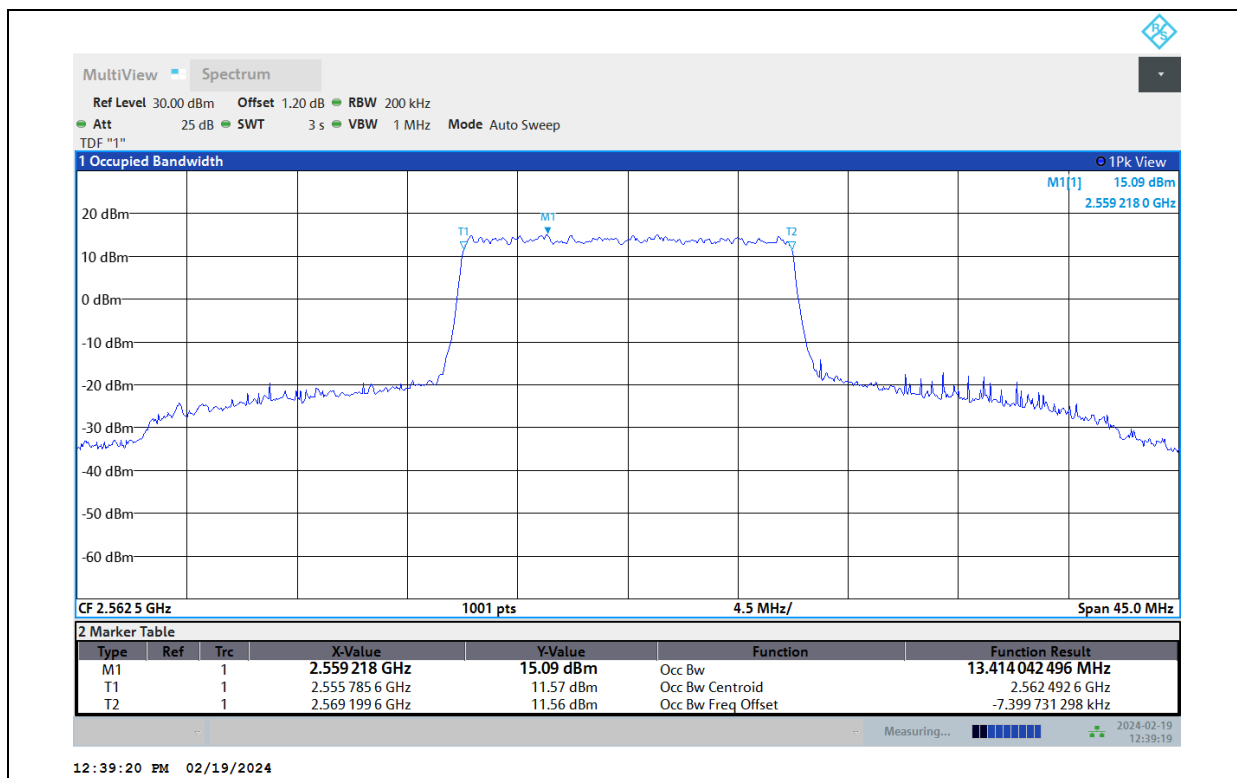
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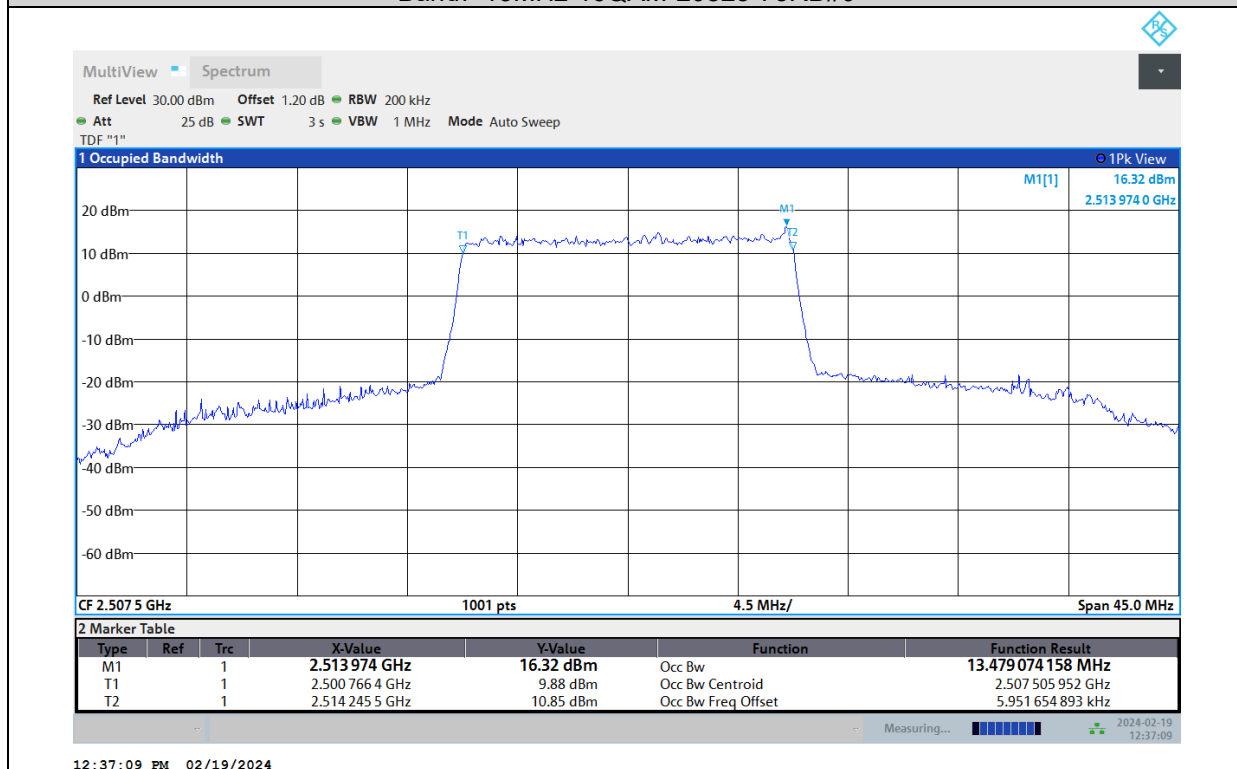
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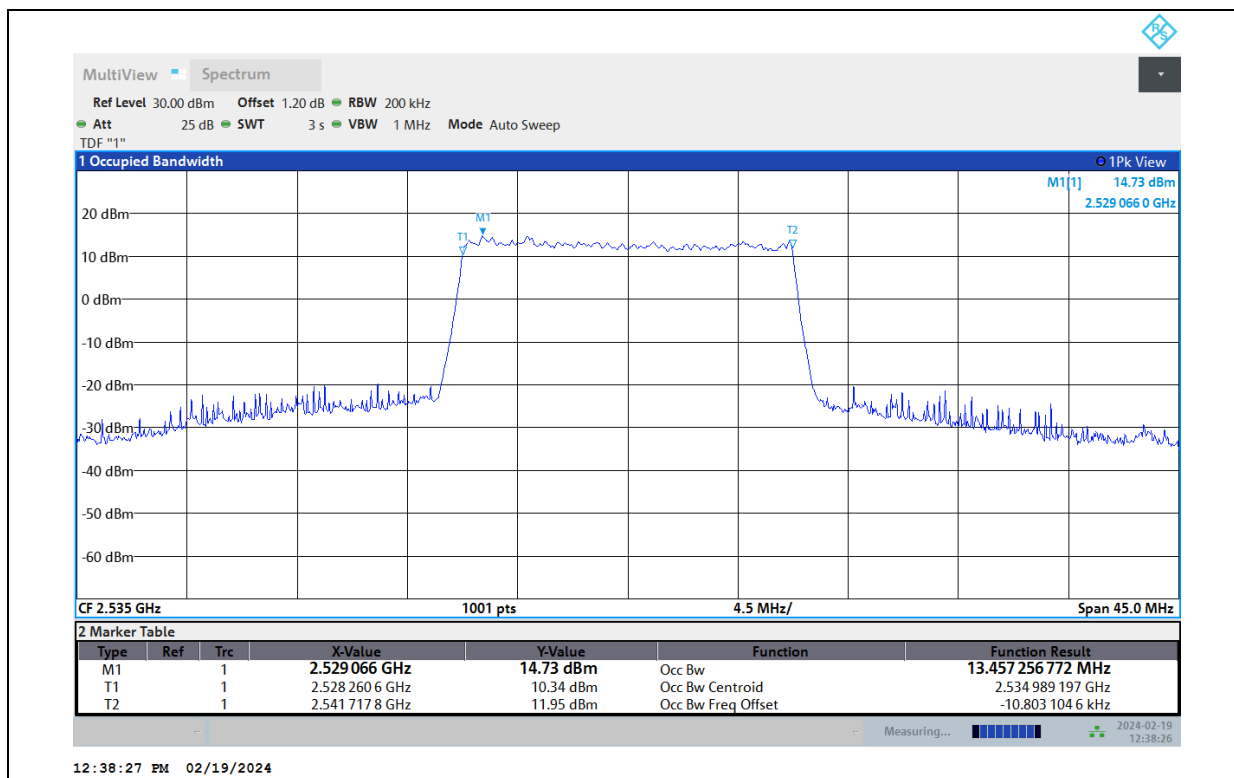
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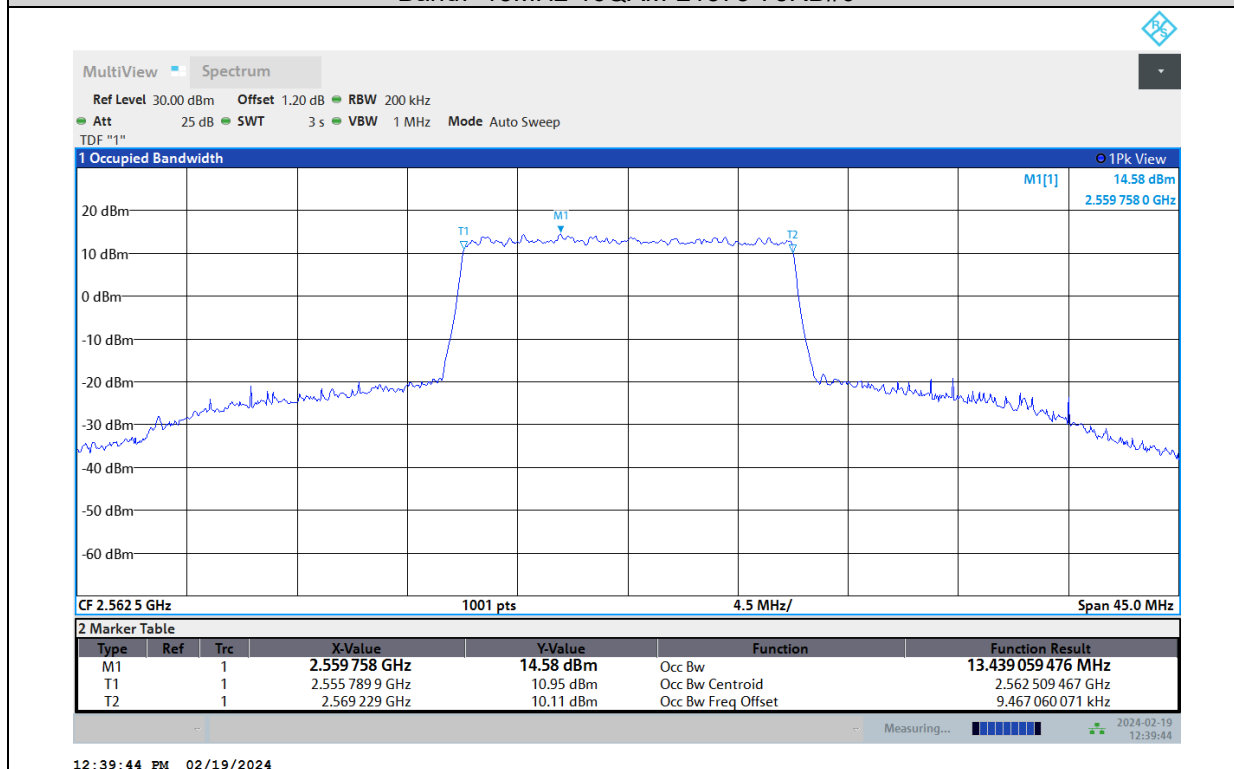
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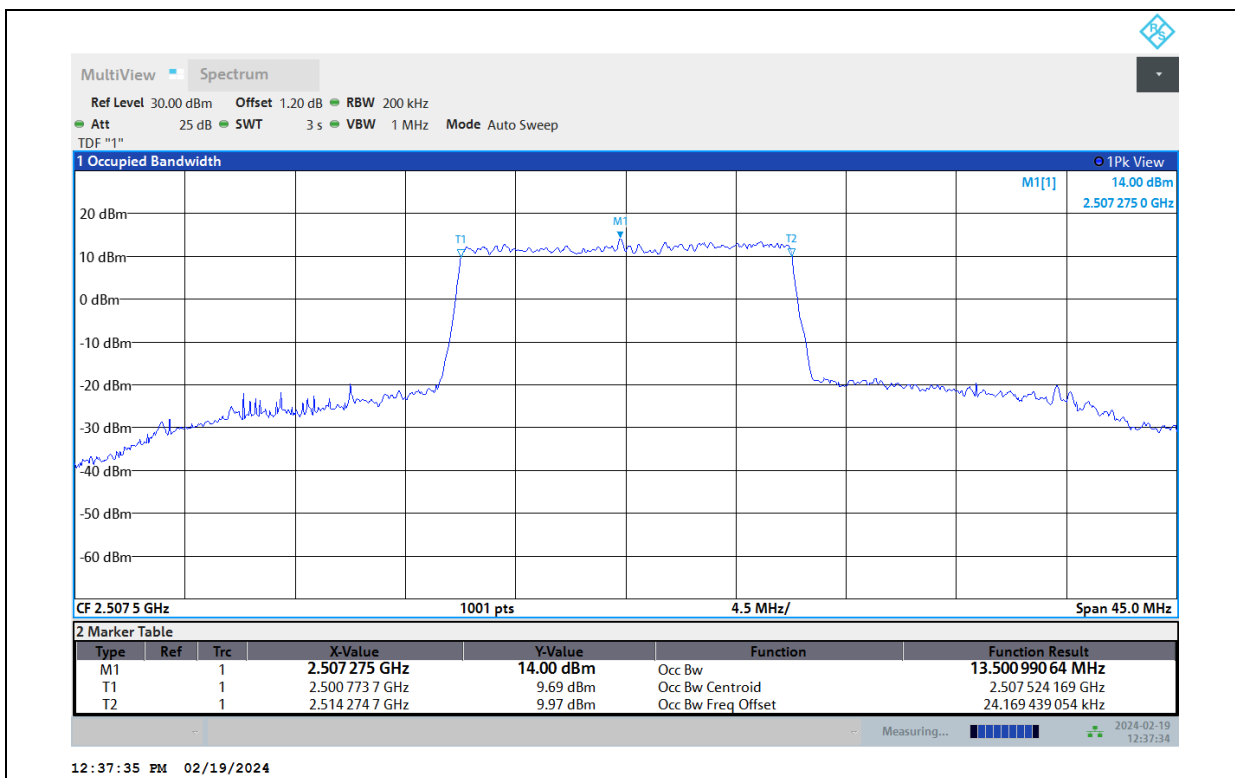
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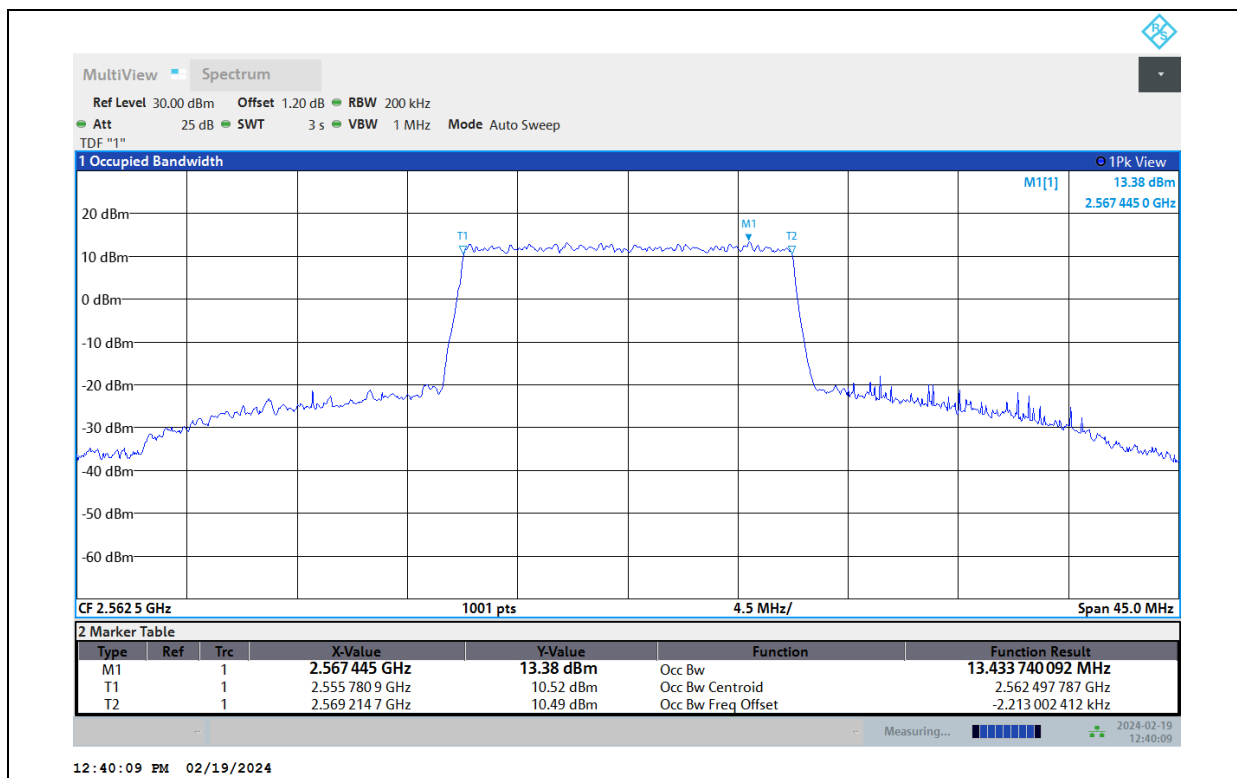
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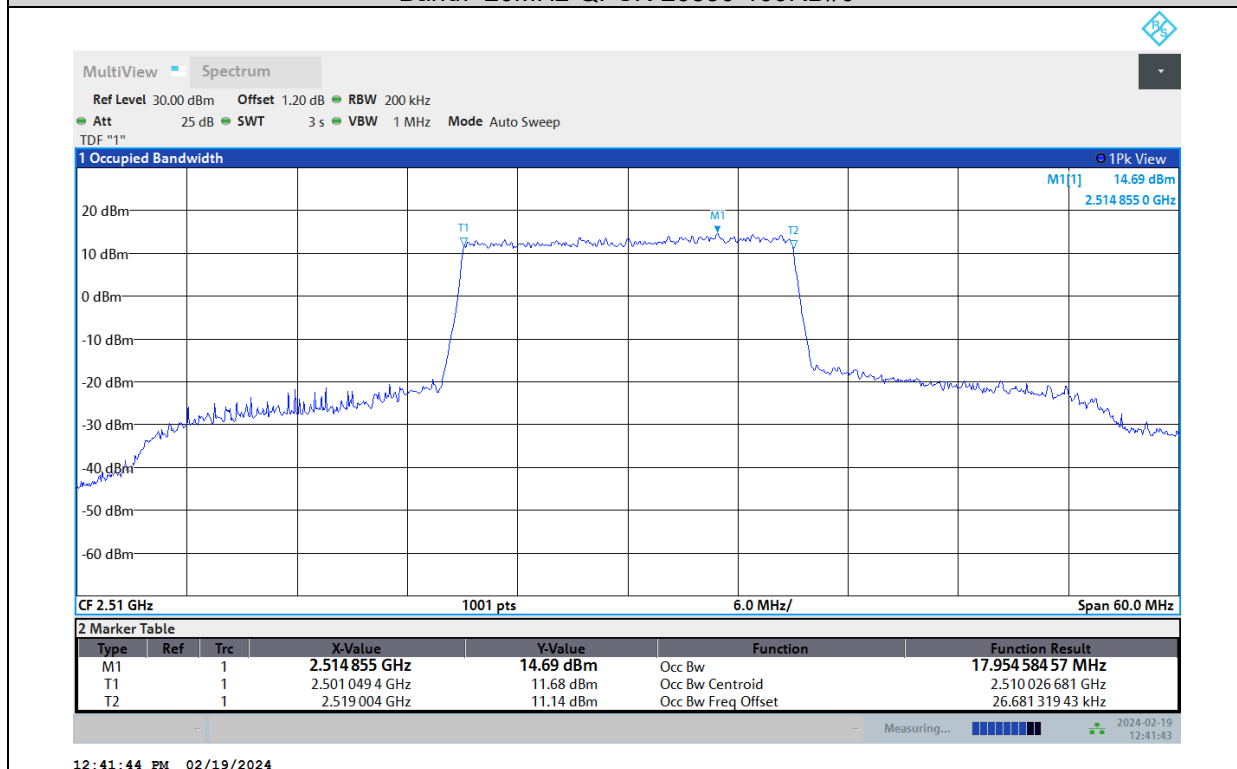
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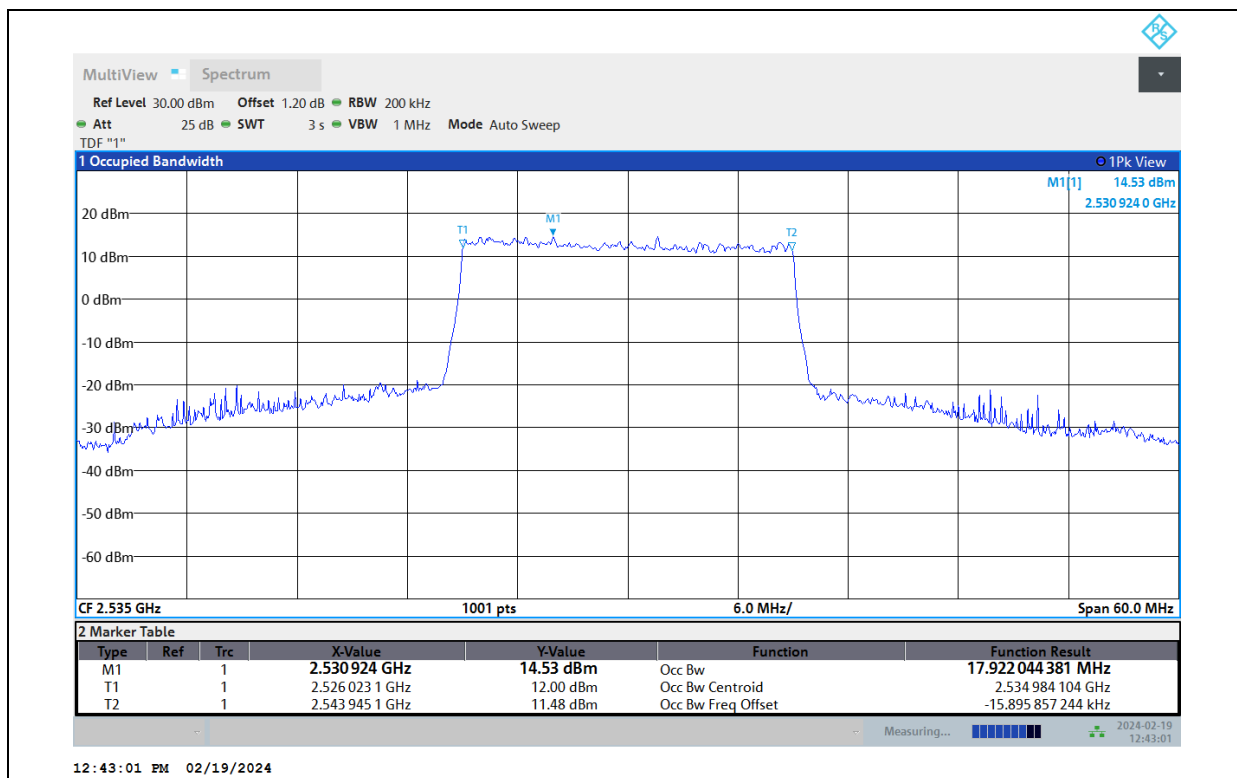
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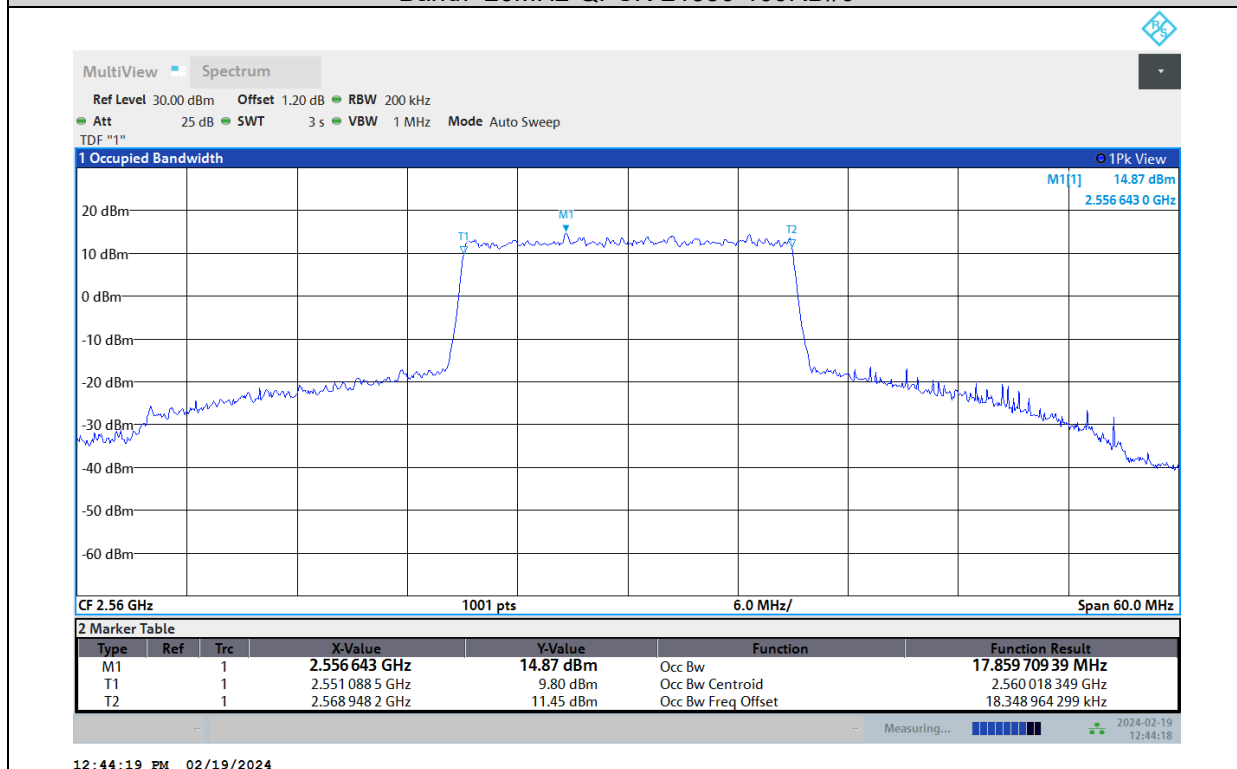
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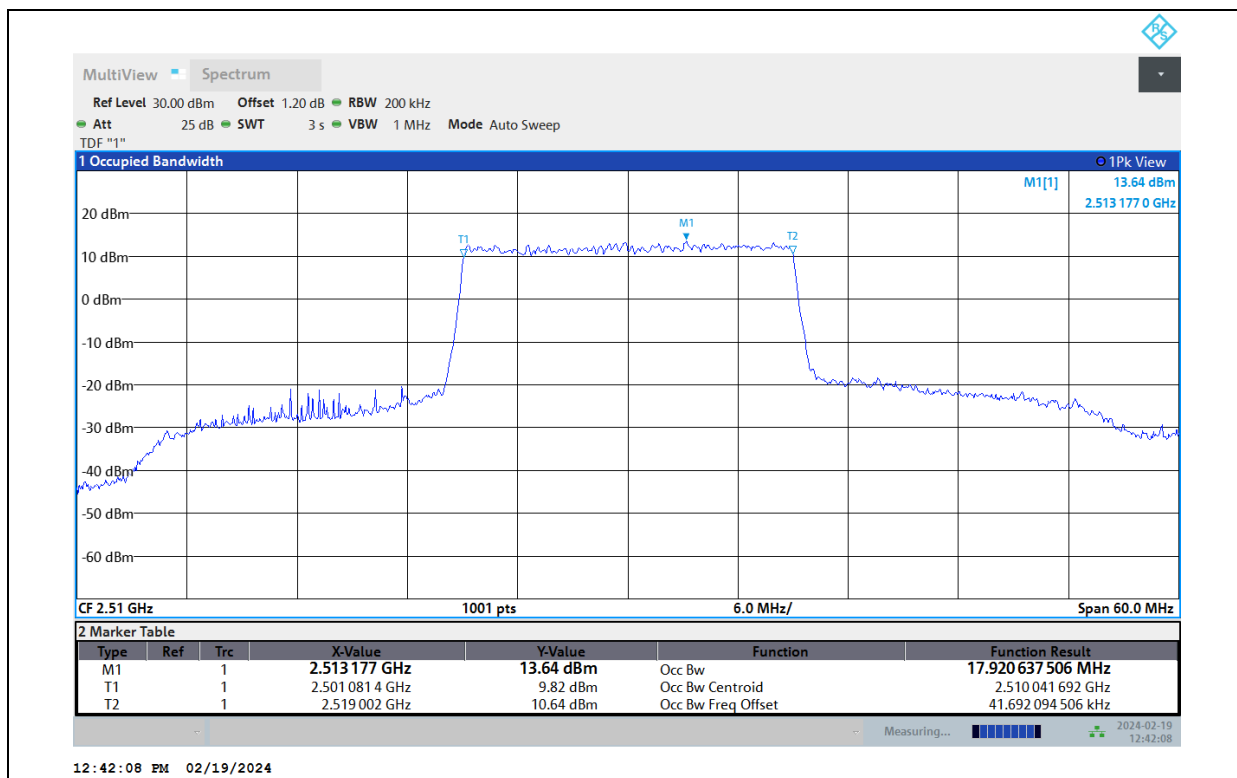
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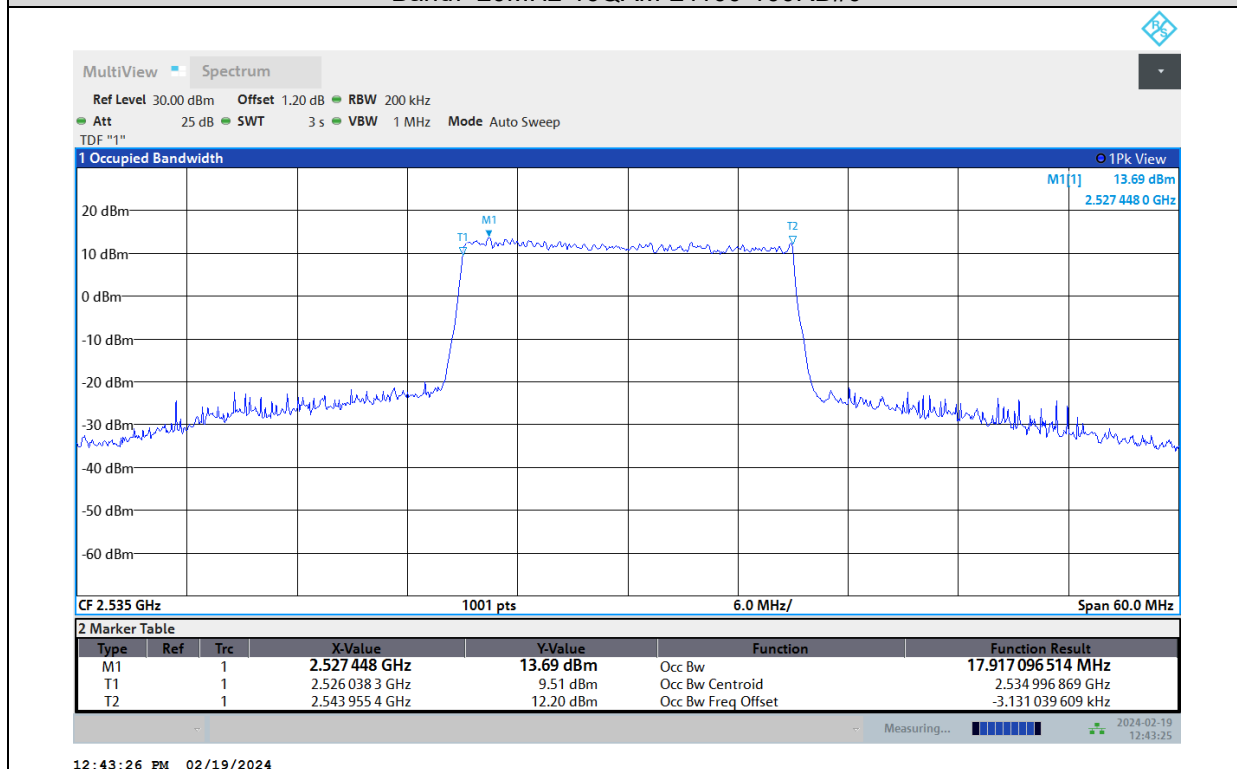
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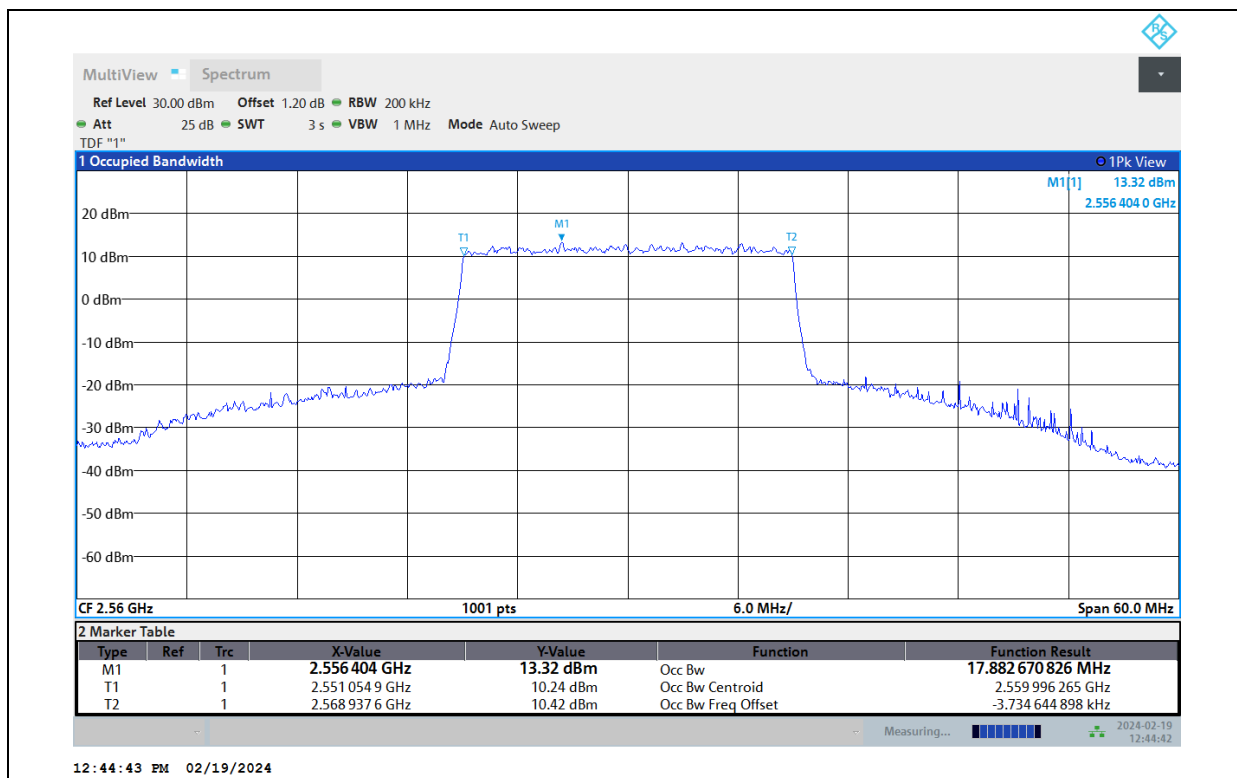
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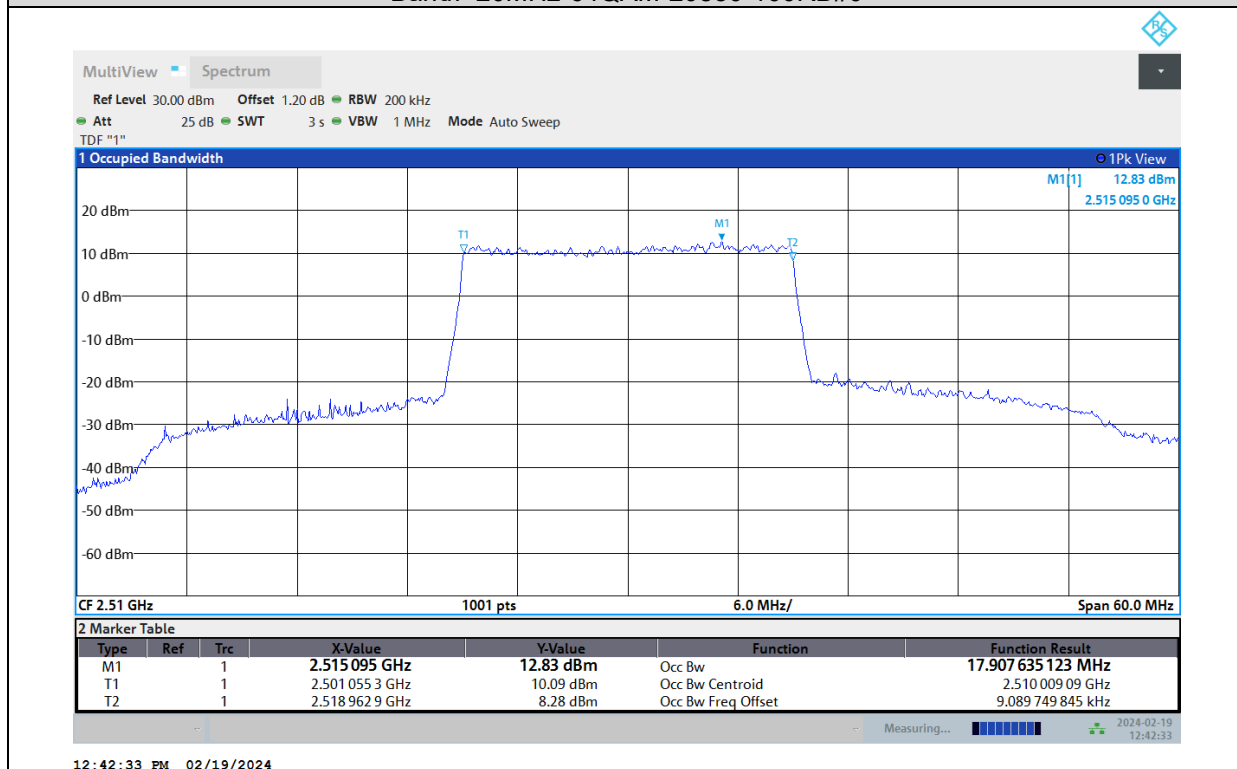
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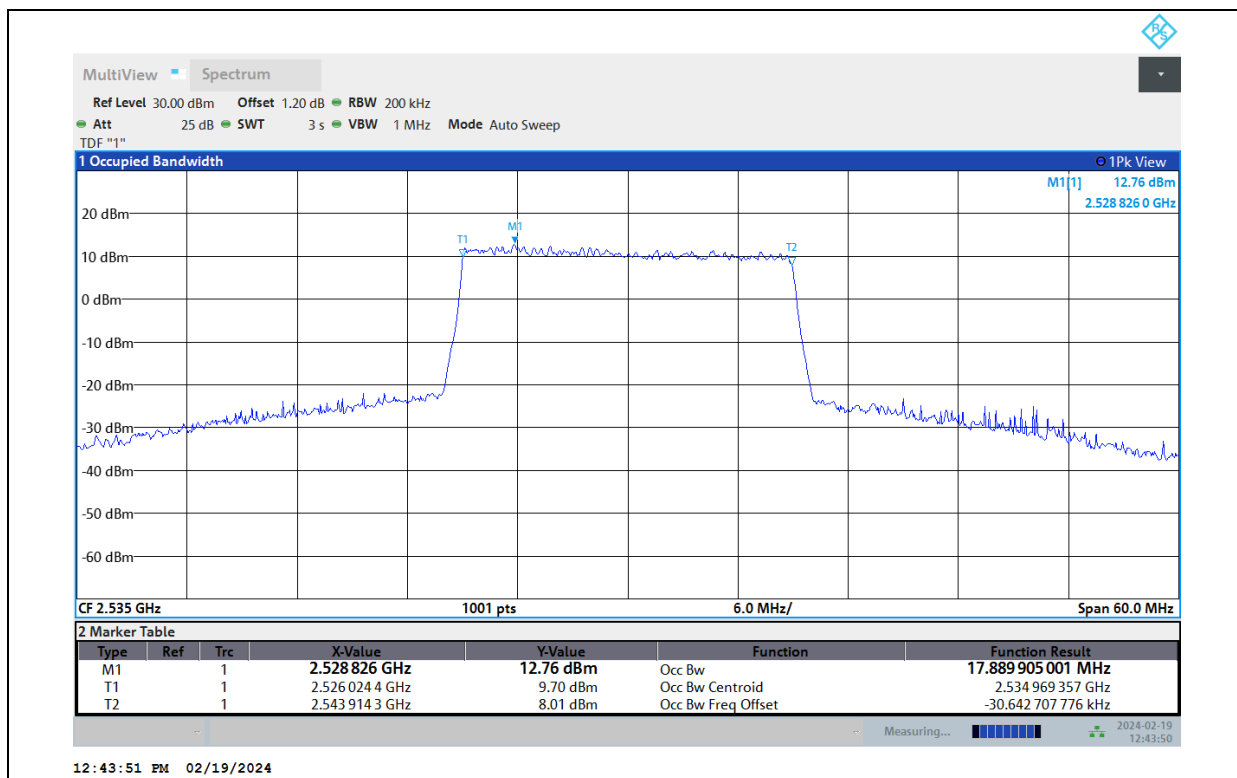
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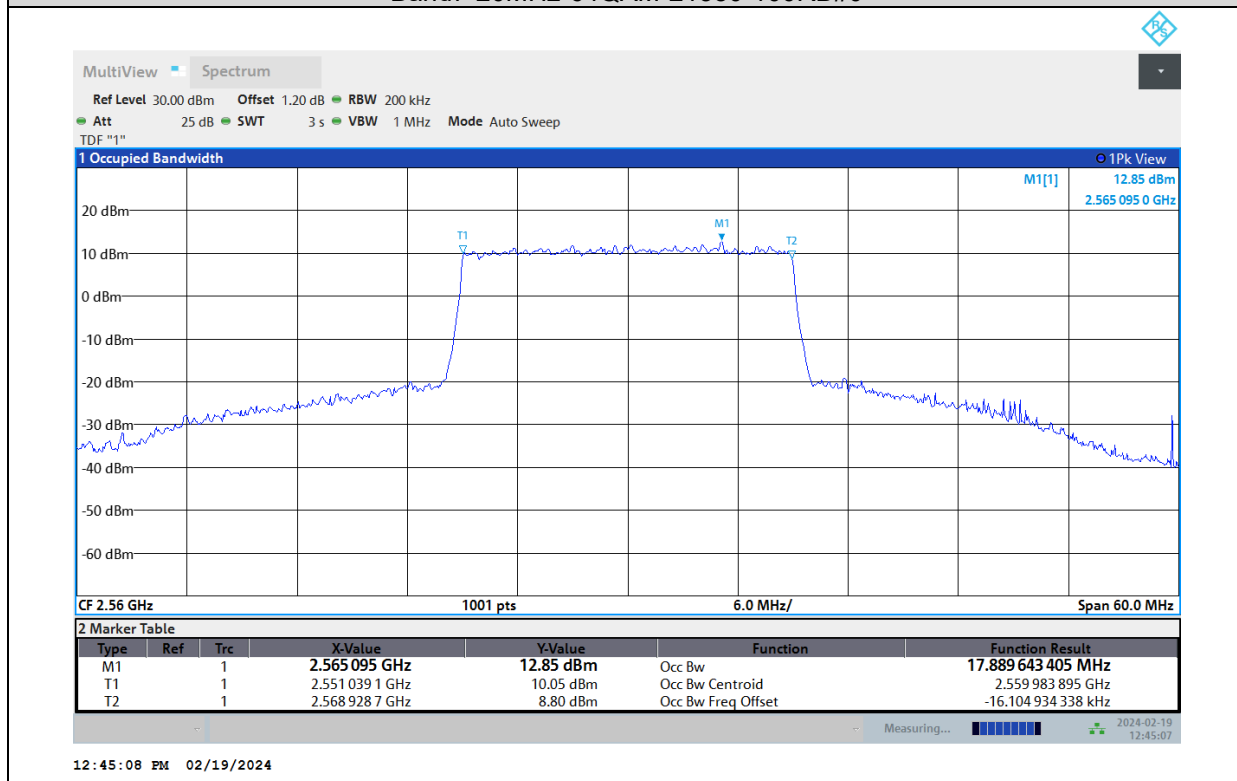
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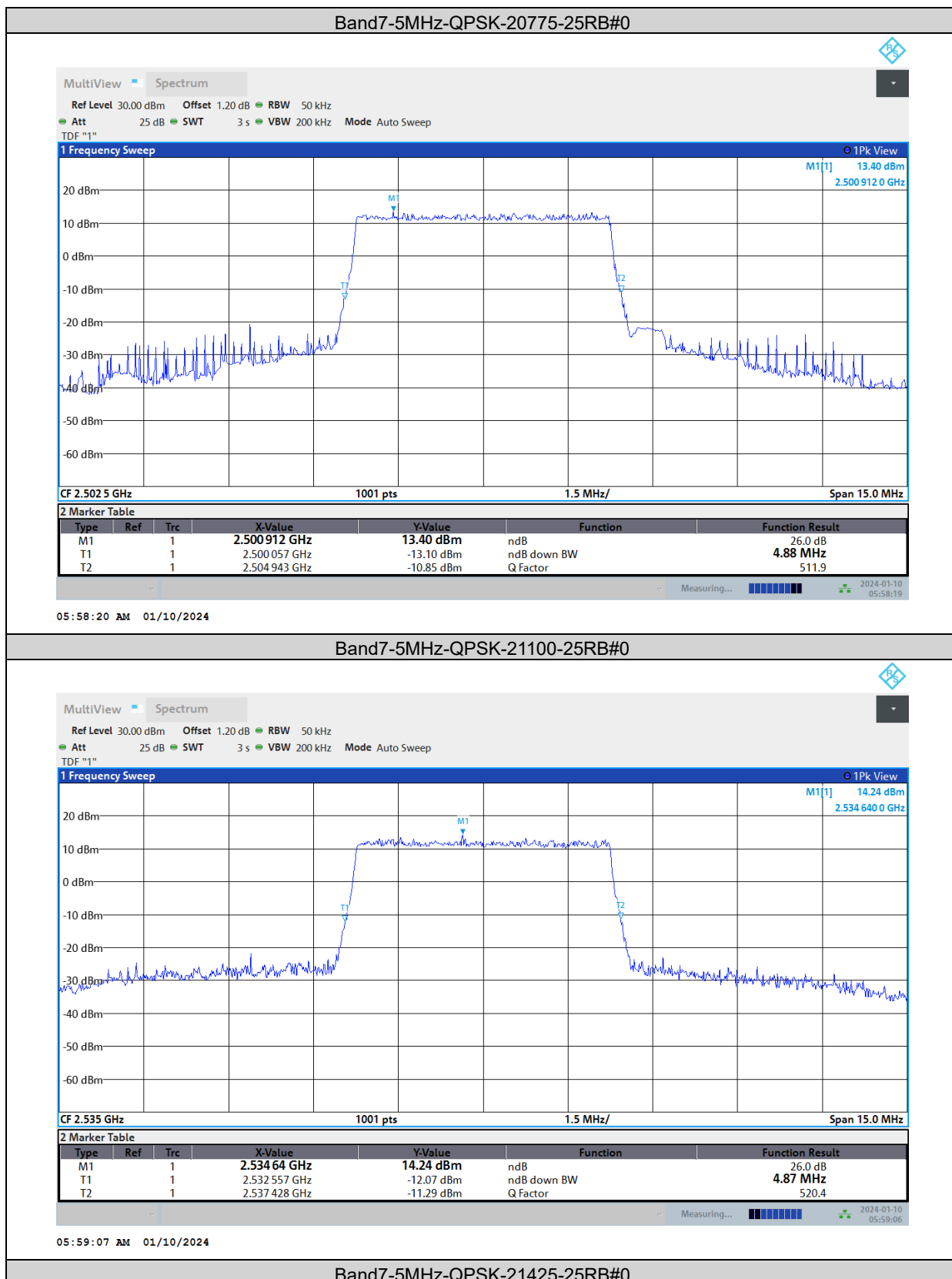
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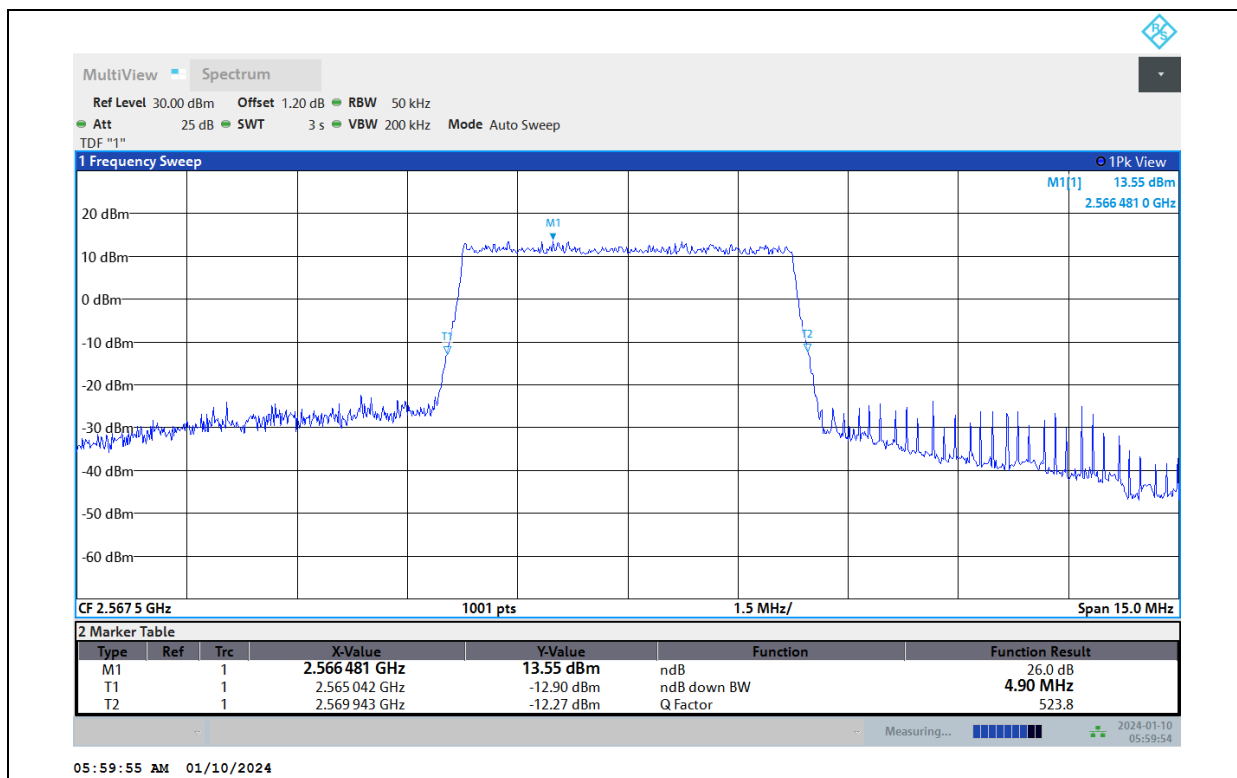


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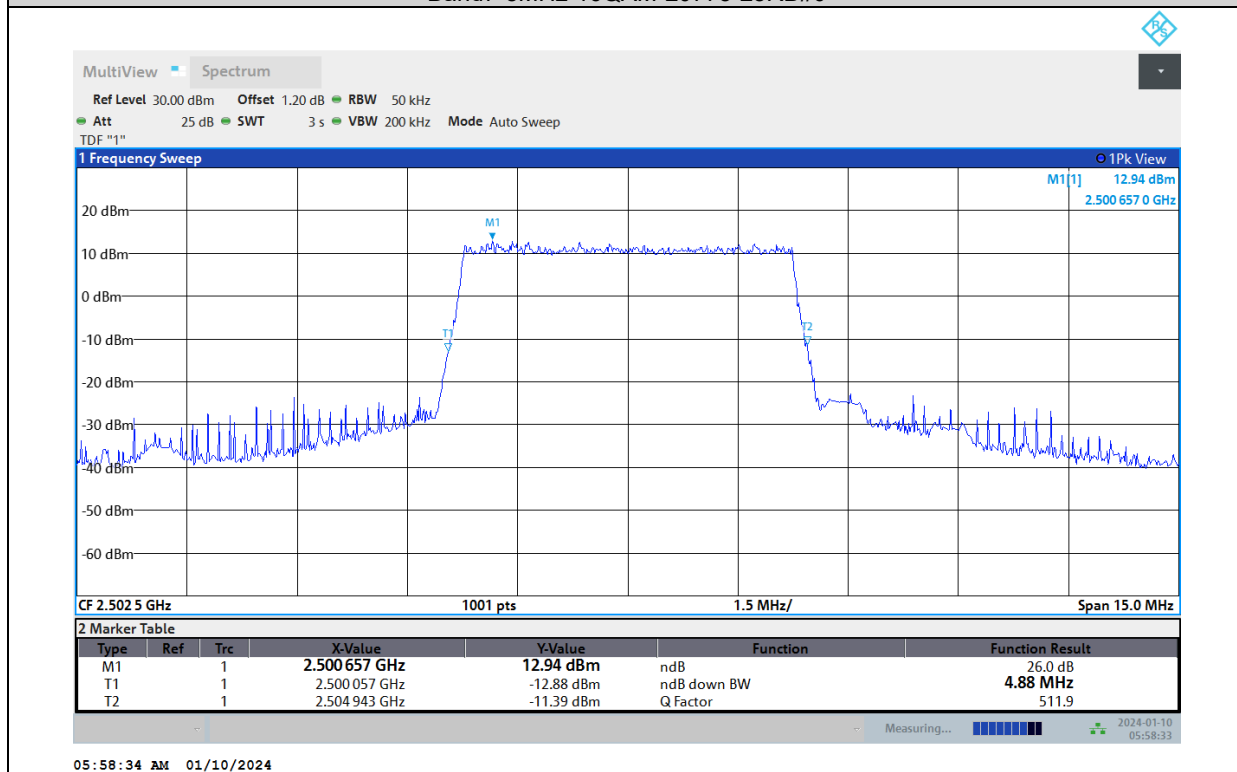


26dB Bandwidth

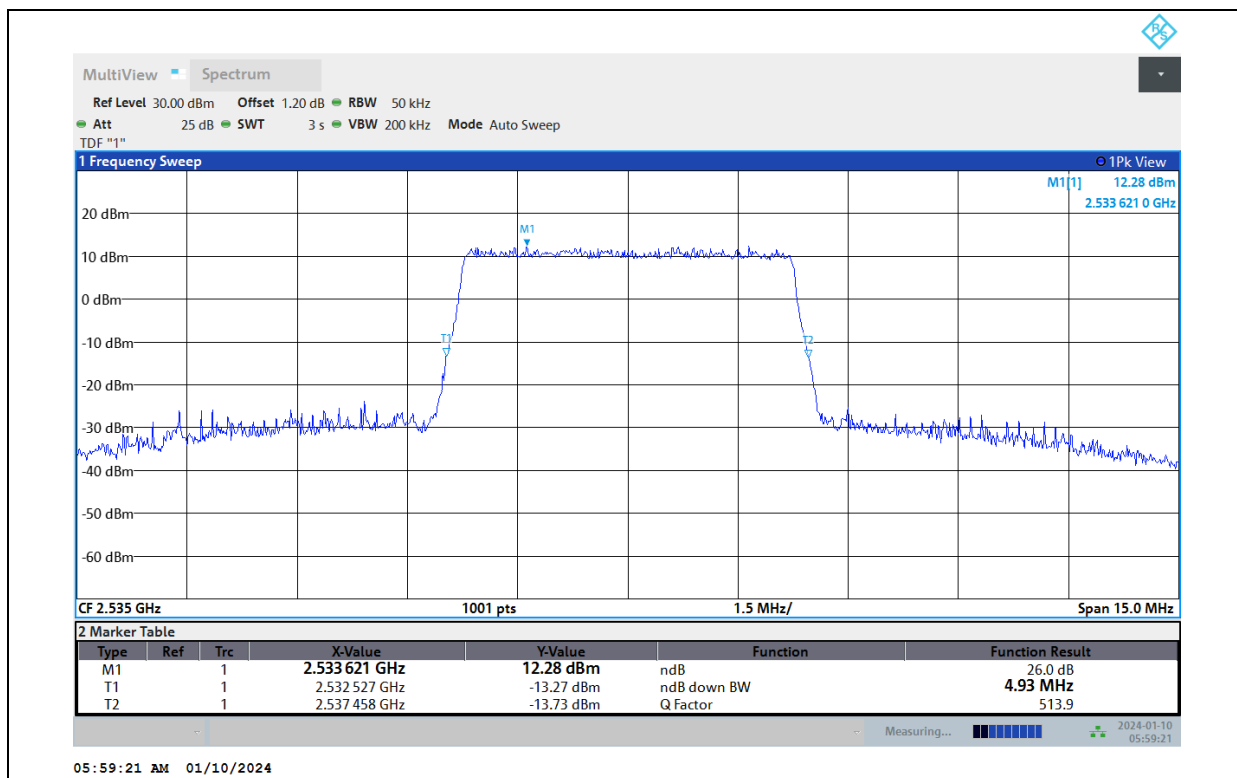




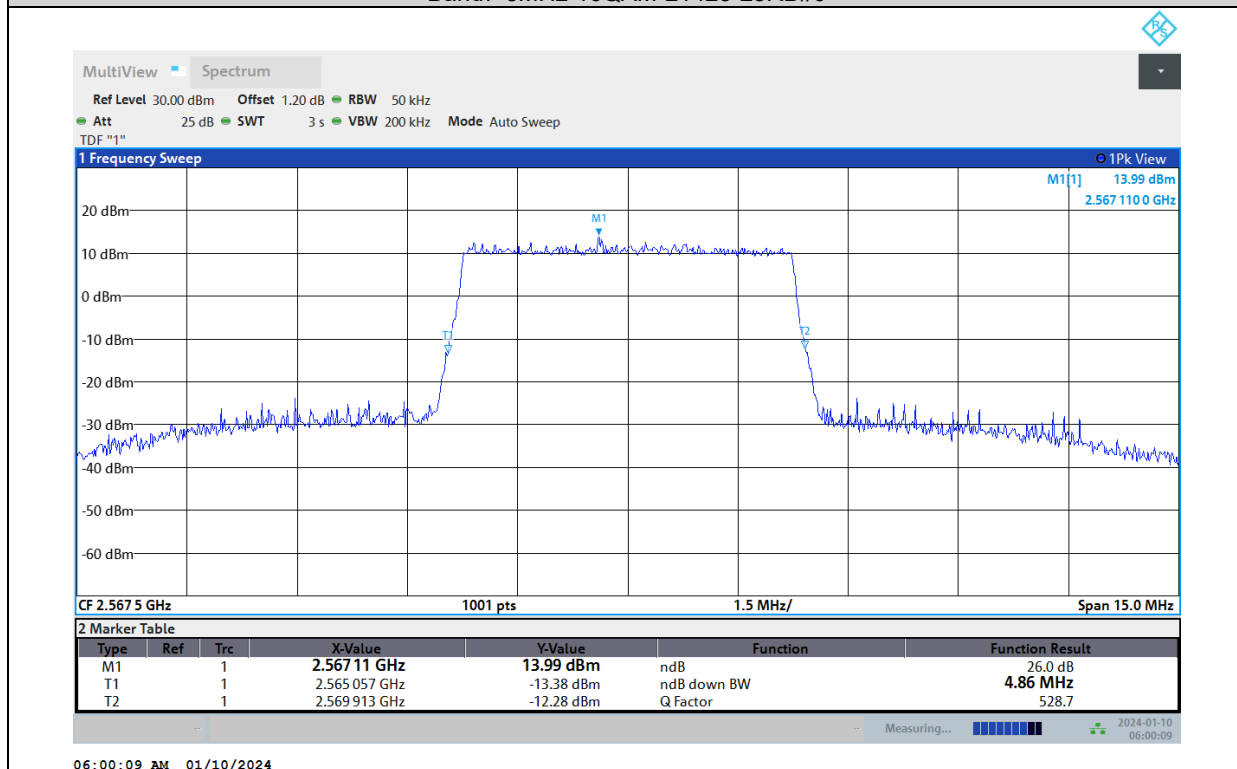
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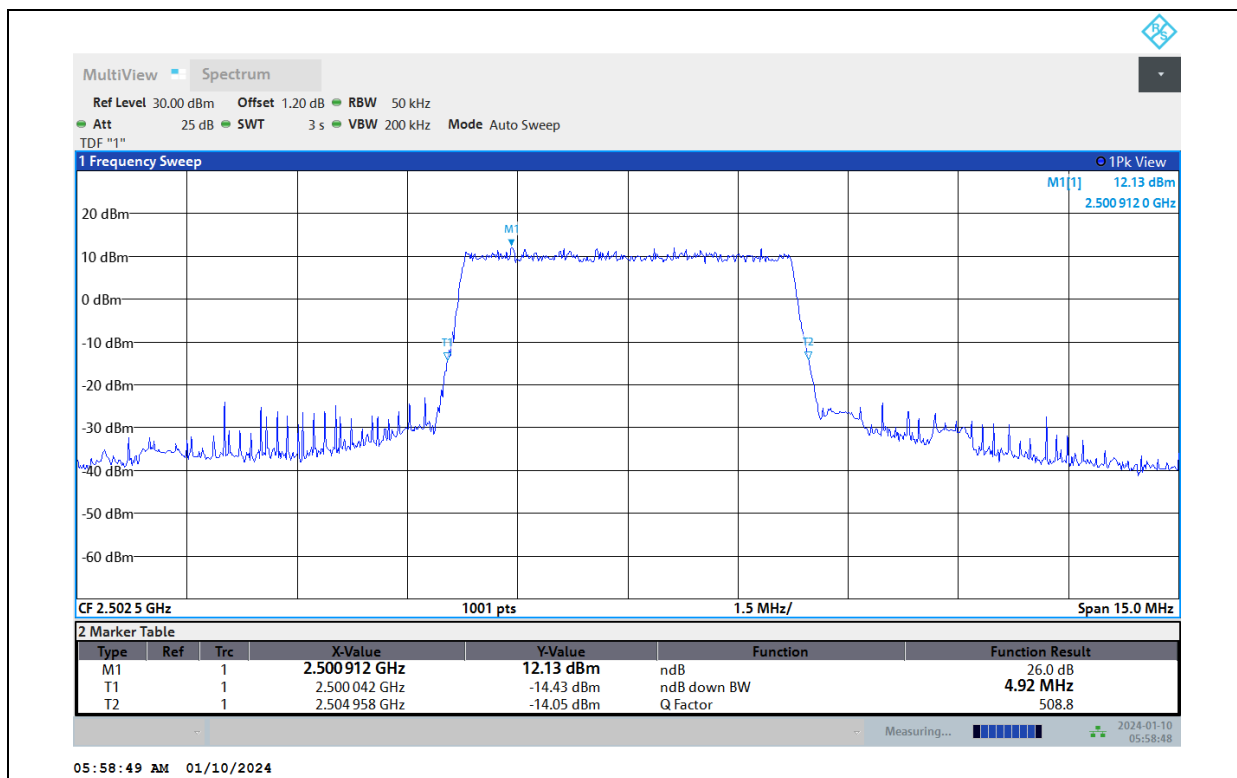
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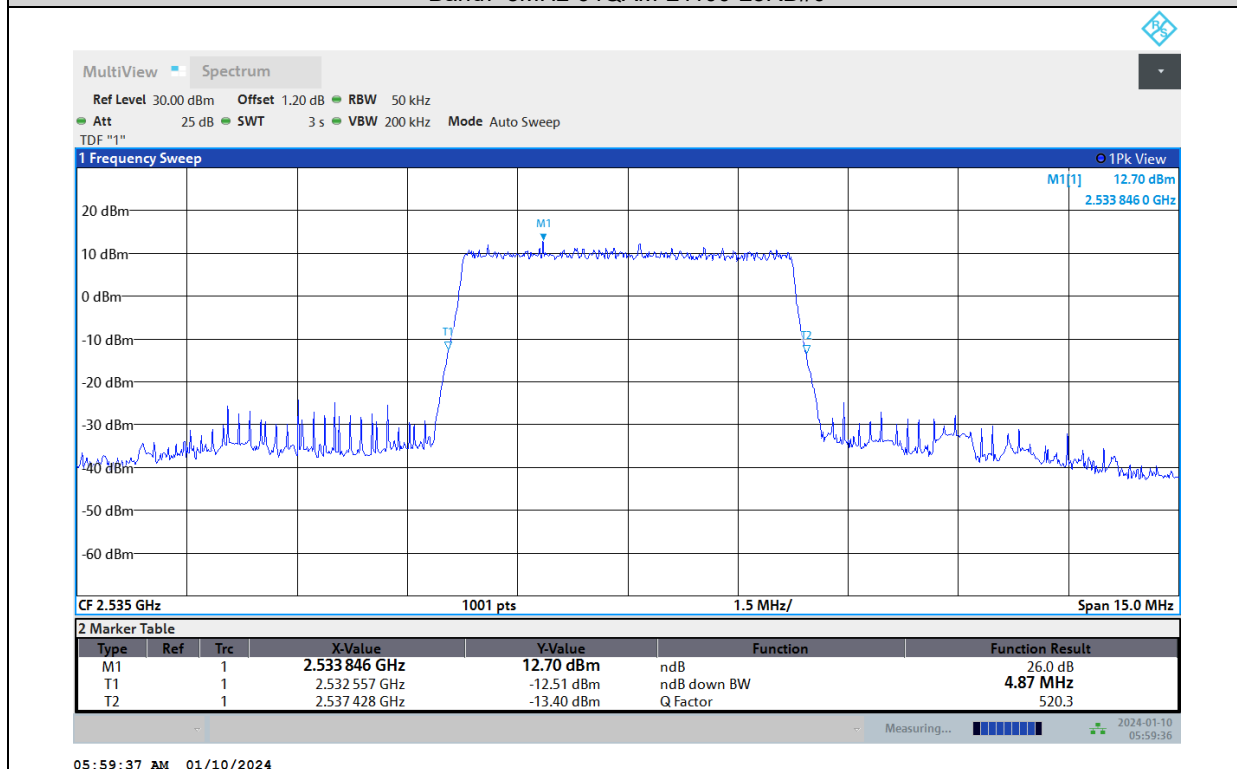
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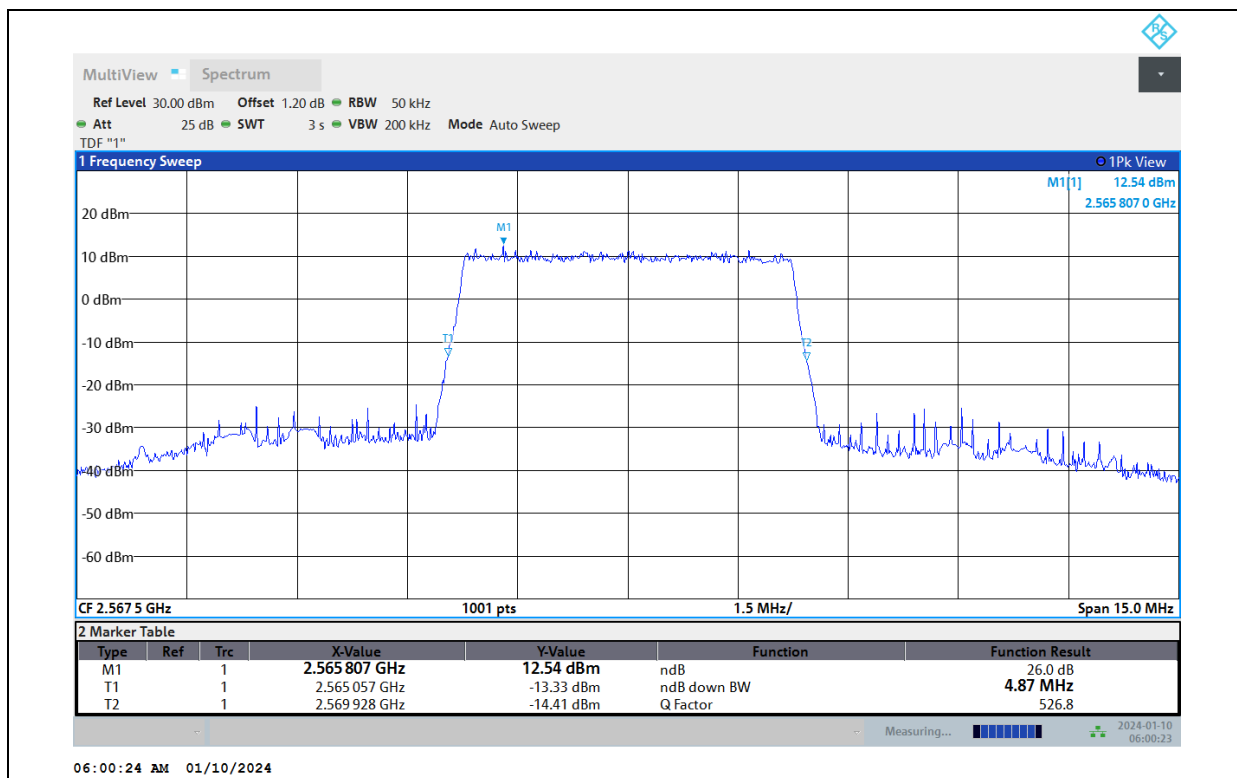
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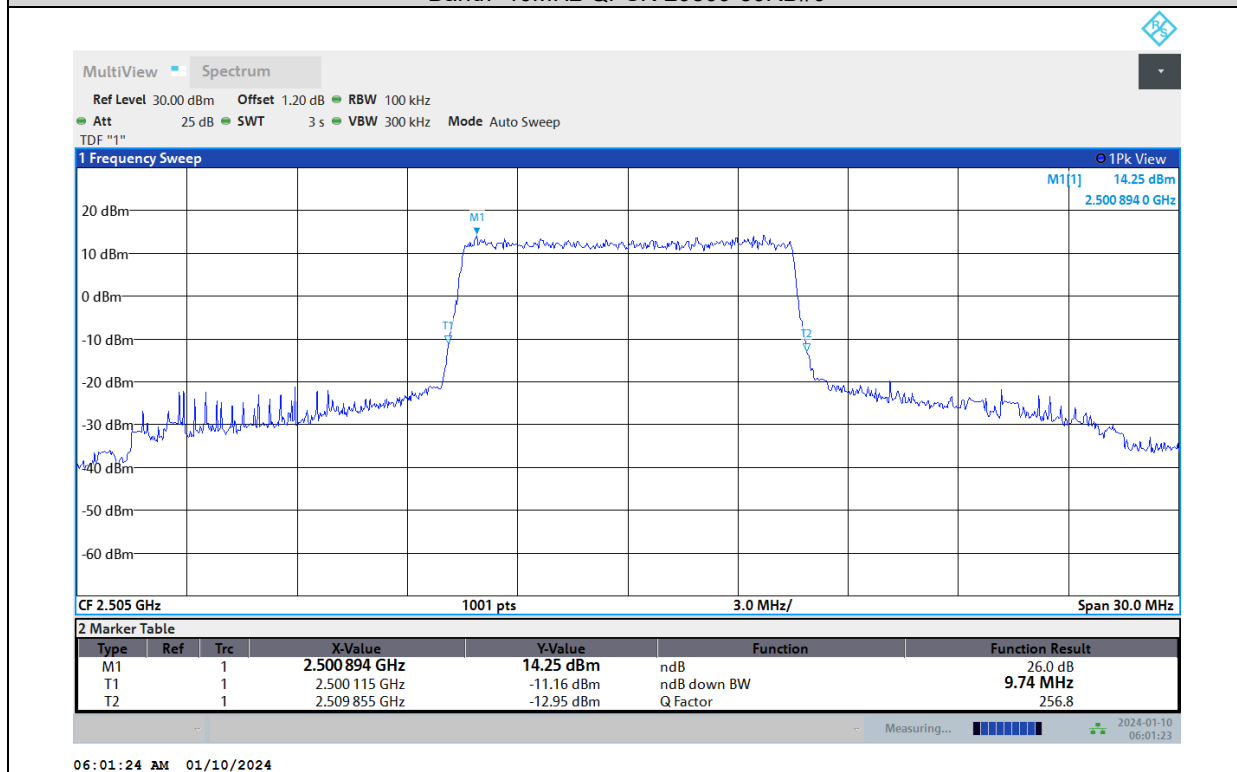
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