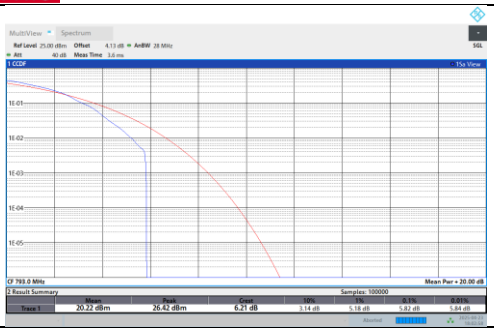
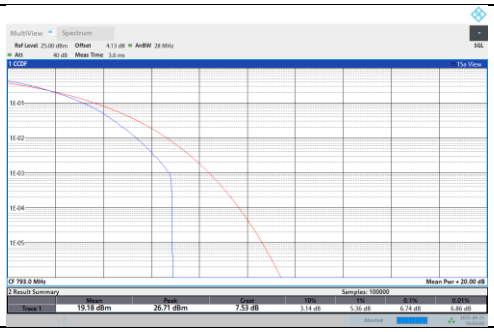
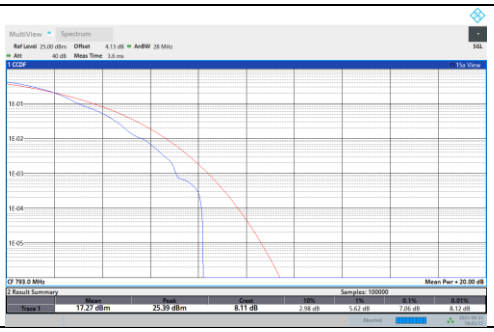


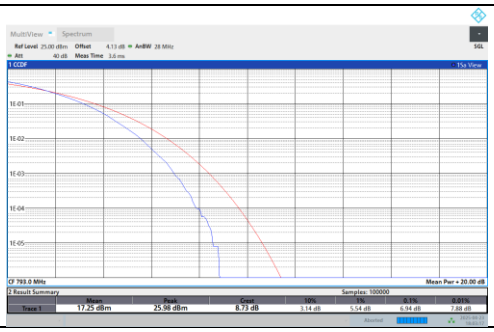
Band 14-10M-LOW-1 RB low



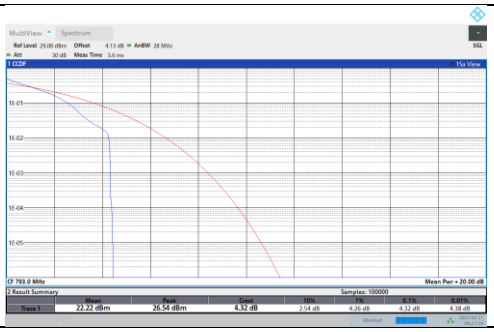
Band 14-10M-LOW-100% RB



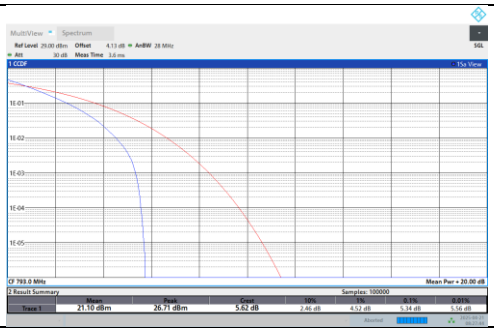
Band 14-10M-MID-1 RB low



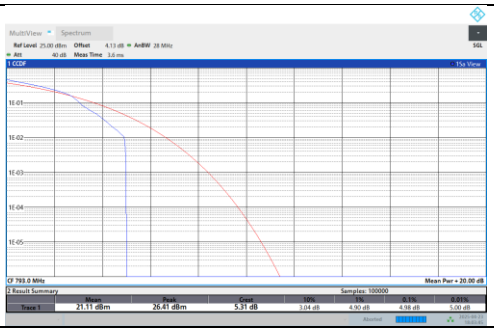
Band 14-10M-MID-100% RB



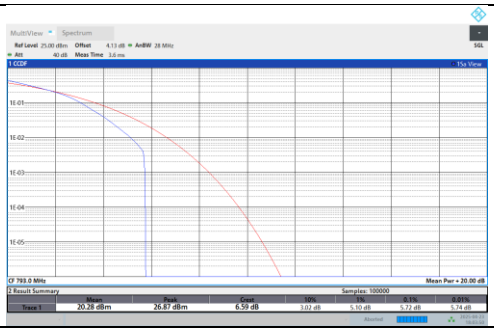
Band 14-10M-MID-1 RB low



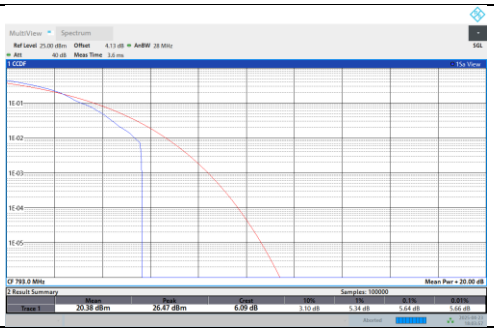
Band 14-10M-MID-100% RB



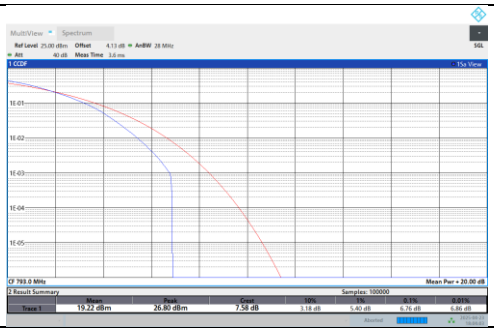
Band 14-10M-MID-1 RB low



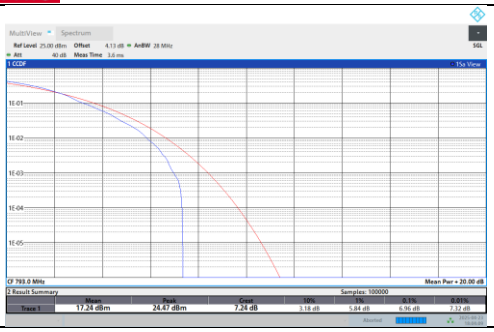
Band 14-10M-MID-100% RB



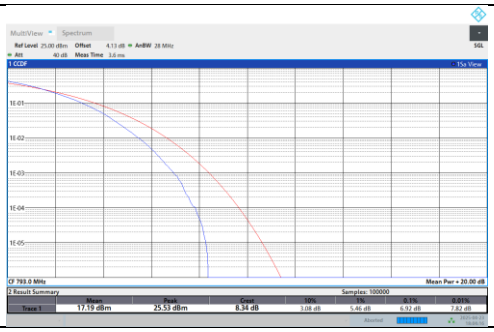
Band 14-10M-MID-1 RB low



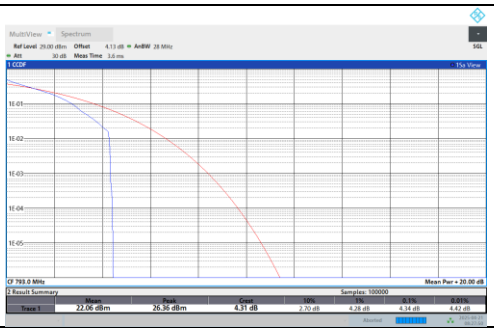
Band 14-10M-MID-100% RB



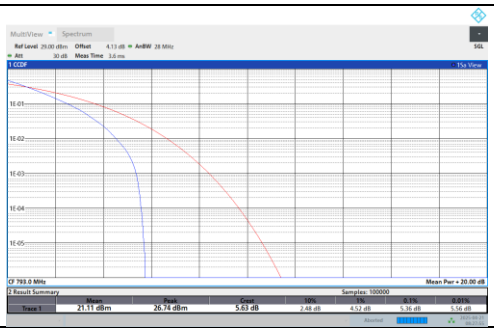
Band 14-10M-HIGH-1 RB low



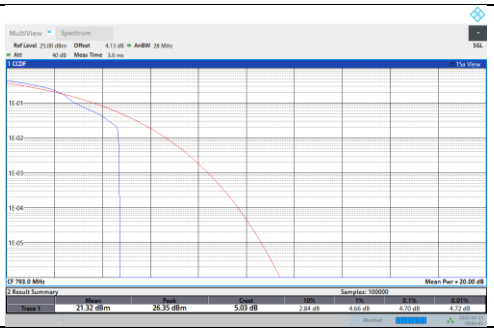
Band 14-10M-HIGH-100% RB



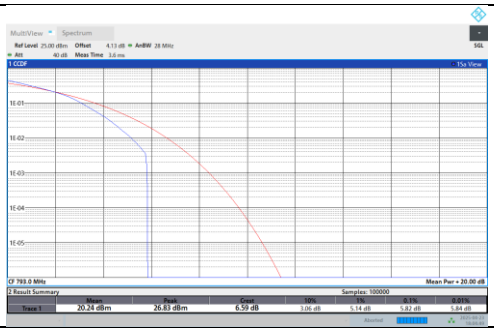
Band 14-10M-HIGH-1 RB low



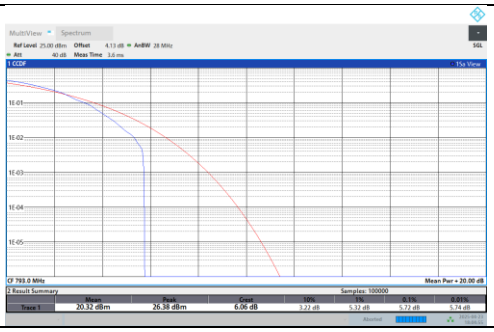
Band 14-10M-HIGH-100% RB



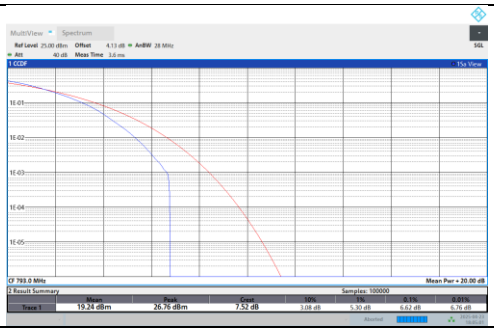
Band 14-10M-HIGH-1 RB low



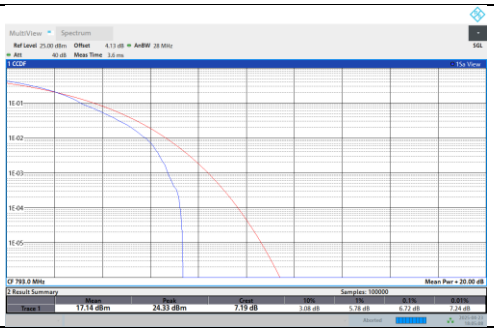
Band 14-10M-HIGH-100% RB

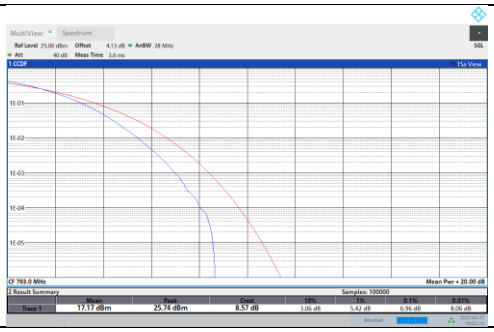


Band 14-10M-HIGH-1 RB low



Band 14-10M-HIGH-100% RB





26DB BANDWIDTH AND OCCUPIED BANDWIDTH
Occupied Bandwidth

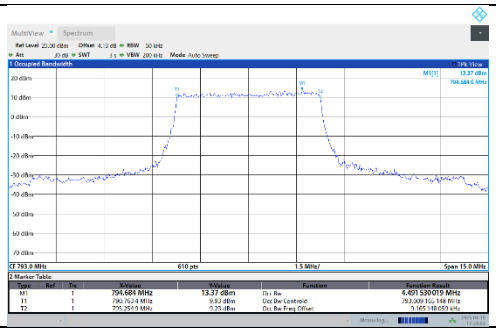
Test Result

Bandwidth	Modulation	Frequency (MHz)	RB Configuration	Occupied Bandwidth(MHz)	Verdict
5MHz	QPSK	793	100% RB	4.492	PASS
5MHz	16QAM	793	100% RB	4.491	PASS
5MHz	64QAM	793	100% RB	4.494	PASS
5MHz	256QAM	793	100% RB	4.493	PASS
10MHz	QPSK	793	100% RB	8.972	PASS
10MHz	16QAM	793	100% RB	8.985	PASS
10MHz	64QAM	793	100% RB	8.96	PASS
10MHz	256QAM	793	100% RB	8.983	PASS

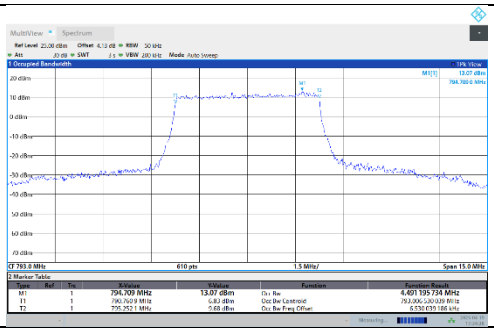
Occupied Bandwidth

Test Graphs

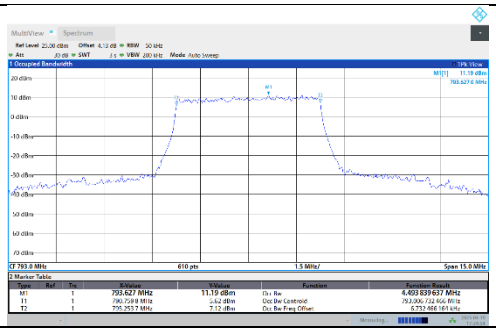
Band 14-5M-MID-100% RB



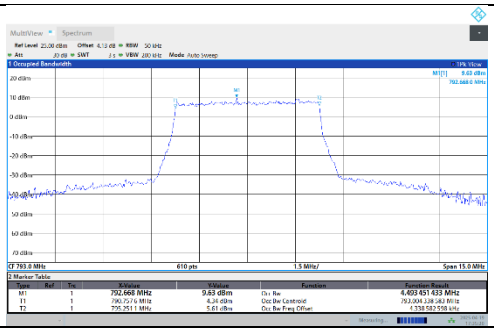
Band 14-5M-MID-100% RB



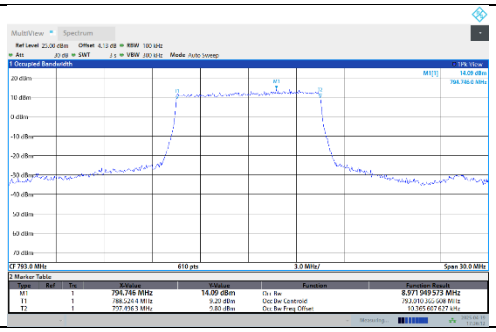
Band 14-5M-MID-100% RB



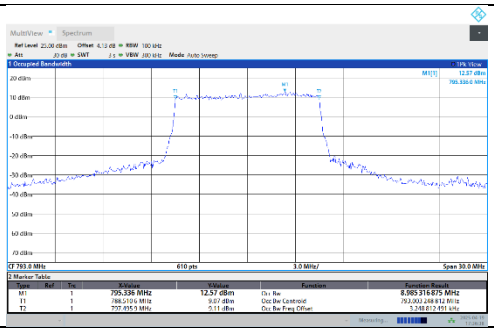
Band 14-5M-MID-100% RB



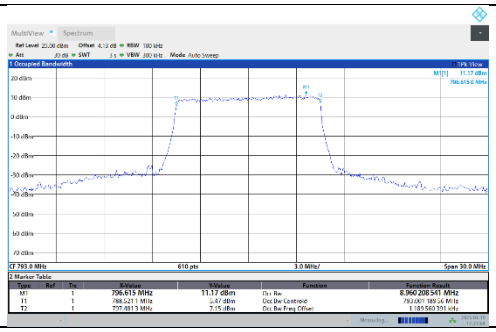
Band 14-10M-MID-100% RB



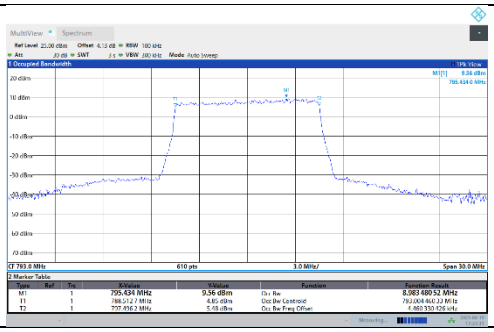
Band 14-10M-MID-100% RB



Band 14-10M-MID-100% RB



Band 14-10M-MID-100% RB



26dB Bandwidth

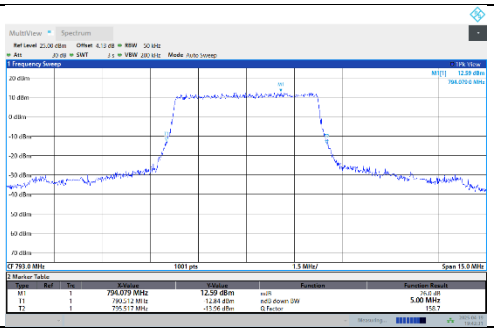
Test Result

Bandwidth	Modulation	Frequency (MHz)	RB Configuration	26dB Bandwidth(MHz)	Verdict
5MHz	QPSK	793	100% RB	5.005	PASS
5MHz	16QAM	793	100% RB	4.96	PASS
5MHz	64QAM	793	100% RB	5.035	PASS
5MHz	256QAM	793	100% RB	5.02	PASS
10MHz	QPSK	793	100% RB	9.71	PASS
10MHz	16QAM	793	100% RB	9.83	PASS
10MHz	64QAM	793	100% RB	9.86	PASS
10MHz	256QAM	793	100% RB	9.8	PASS

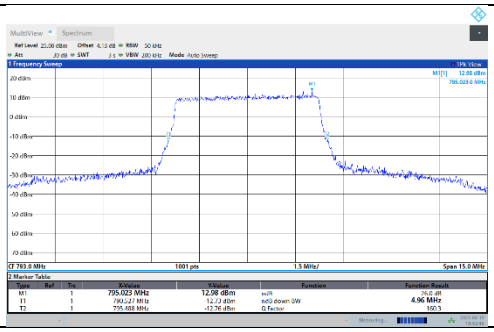
26dB Bandwidth

Test Graphs

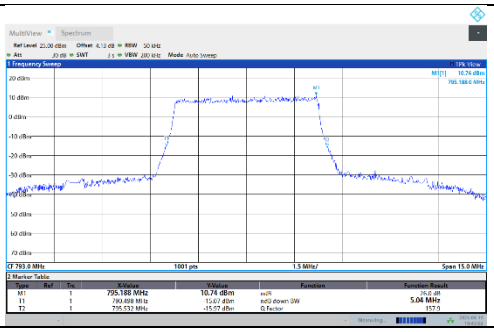
Band 14-5M-MID-100% RB



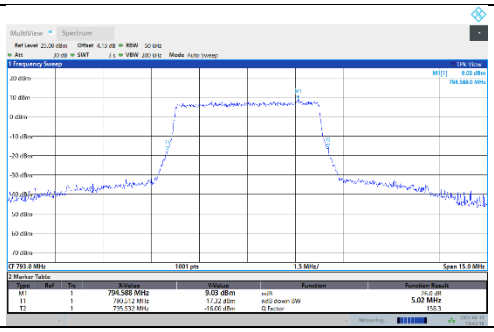
Band 14-5M-MID-100% RB



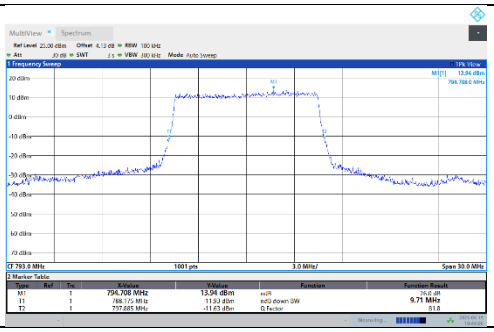
Band 14-5M-MID-100% RB



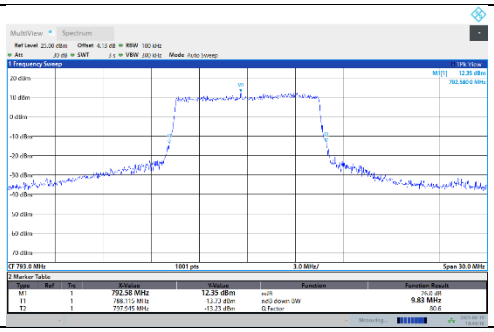
Band 14-5M-MID-100% RB



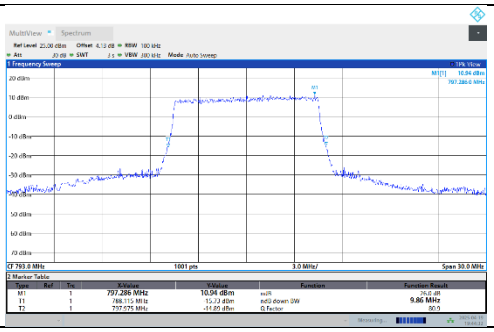
Band 14-10M-MID-100% RB



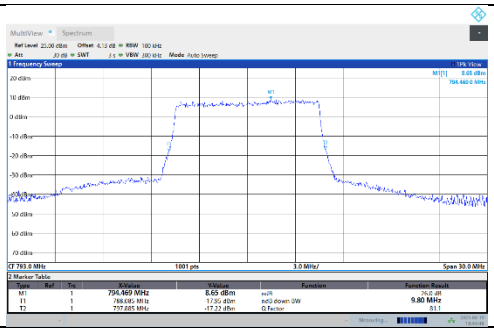
Band 14-10M-MID-100% RB



Band 14-10M-MID-100% RB



Band 14-10M-MID-100% RB



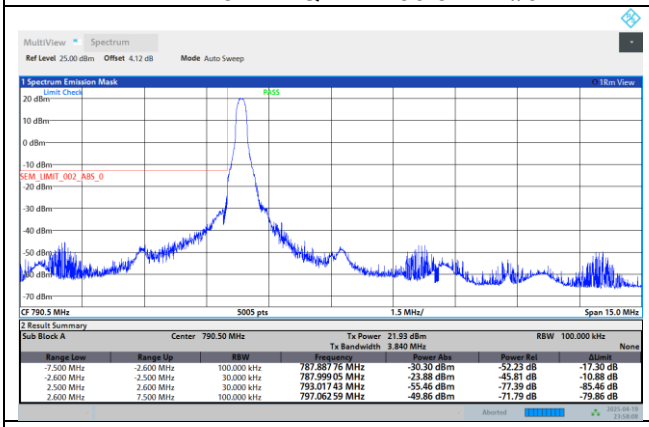
BAND EDGE

Test Result

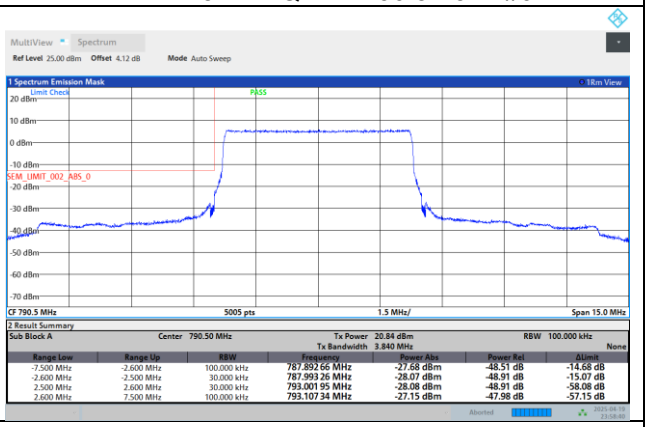
Band	Bandwidth	Modulation	Frequency (MHz)	RB Configuration	Result(dBm)	Verdict
Band14	5MHz	QPSK	790.5	1RB#0	See Graph	PASS
Band14	5MHz	QPSK	790.5	25RB#0	See Graph	PASS
Band14	5MHz	QPSK	795.5	1RB#24	See Graph	PASS
Band14	5MHz	QPSK	795.5	25RB#0	See Graph	PASS
Band14	5MHz	16QAM	790.5	1RB#0	See Graph	PASS
Band14	5MHz	16QAM	790.5	25RB#0	See Graph	PASS
Band14	5MHz	16QAM	795.5	1RB#24	See Graph	PASS
Band14	5MHz	16QAM	795.5	25RB#0	See Graph	PASS
Band14	5MHz	64QAM	790.5	1RB#0	See Graph	PASS
Band14	5MHz	64QAM	790.5	25RB#0	See Graph	PASS
Band14	5MHz	64QAM	795.5	1RB#24	See Graph	PASS
Band14	5MHz	64QAM	795.5	25RB#0	See Graph	PASS
Band14	5MHz	256QAM	790.5	1RB#0	See Graph	PASS
Band14	5MHz	256QAM	790.5	25RB#0	See Graph	PASS
Band14	5MHz	256QAM	795.5	1RB#24	See Graph	PASS
Band14	5MHz	256QAM	795.5	25RB#0	See Graph	PASS
Band14	10MHz	QPSK	793	1RB#0	See Graph	PASS
Band14	10MHz	QPSK	793	1RB#49	See Graph	PASS
Band14	10MHz	QPSK	793	50RB#0	See Graph	PASS
Band14	10MHz	16QAM	793	1RB#0	See Graph	PASS
Band14	10MHz	16QAM	793	1RB#49	See Graph	PASS
Band14	10MHz	16QAM	793	50RB#0	See Graph	PASS
Band14	10MHz	64QAM	793	1RB#0	See Graph	PASS
Band14	10MHz	64QAM	793	1RB#49	See Graph	PASS
Band14	10MHz	64QAM	793	50RB#0	See Graph	PASS
Band14	10MHz	256QAM	793	1RB#0	See Graph	PASS
Band14	10MHz	256QAM	793	1RB#49	See Graph	PASS
Band14	10MHz	256QAM	793	50RB#0	See Graph	PASS

Test Graphs

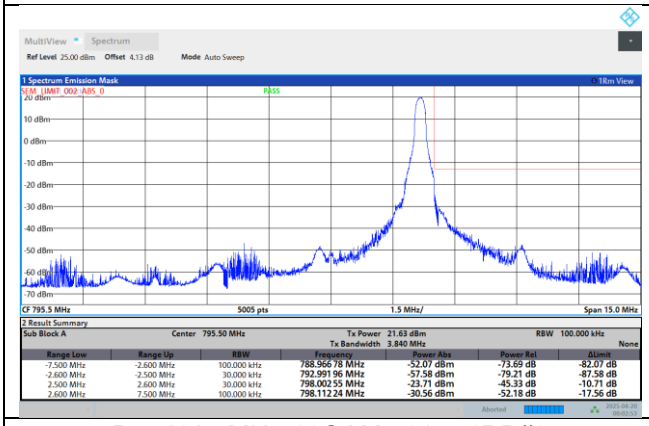
Band14-5MHz-QPSK-790.5-1RB#0



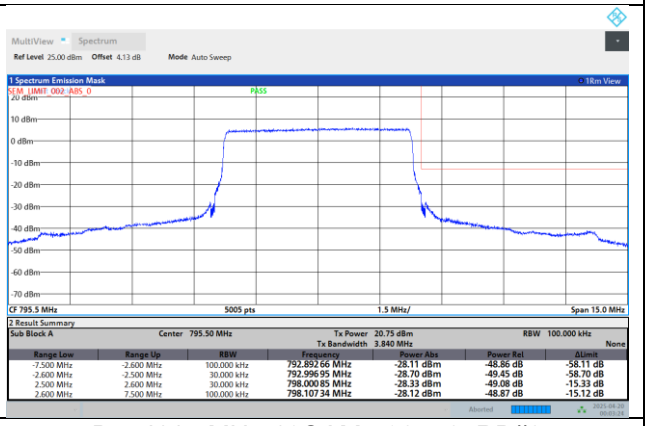
Band14-5MHz-QPSK-790.5-25RB#0



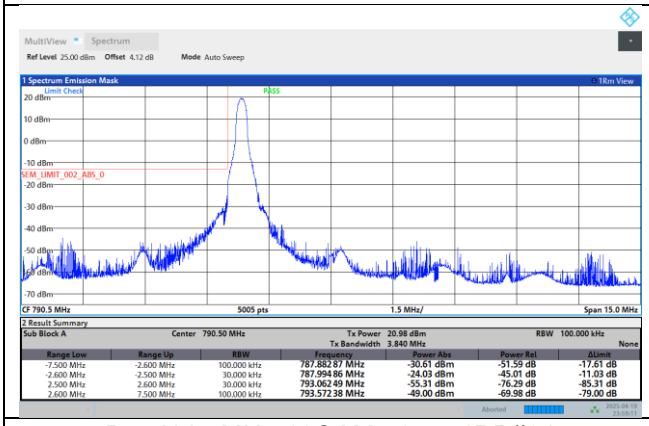
Band14-5MHz-QPSK-795.5-1RB#24



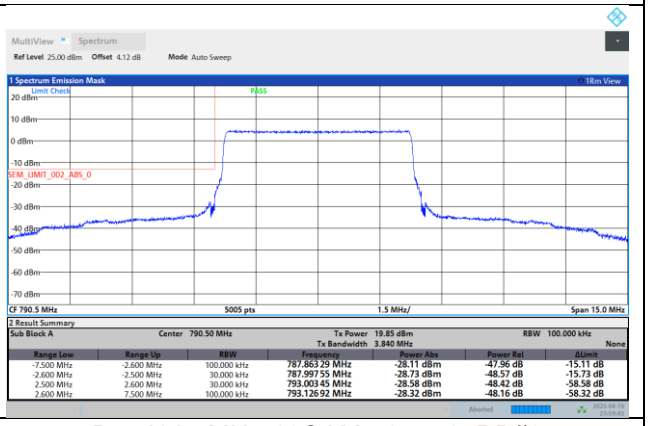
Band14-5MHz-QPSK-795.5-25RB#0



Band14-5MHz-16QAM-790.5-1RB#0

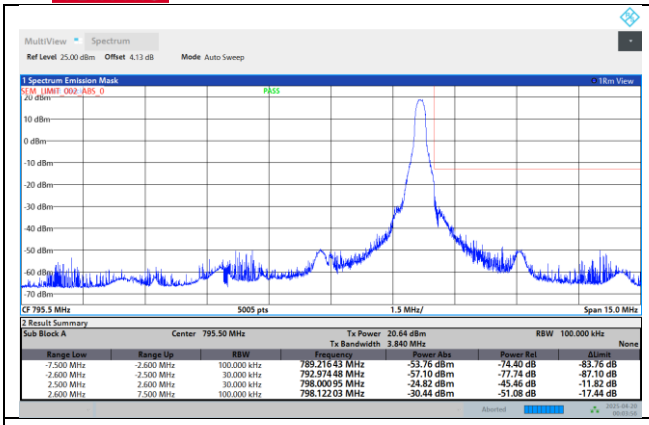


Band14-5MHz-16QAM-790.5-25RB#0

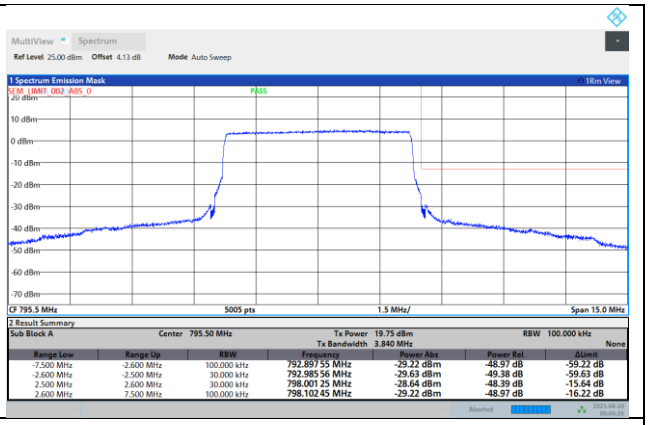


Band14-5MHz-16QAM-795.5-1RB#24

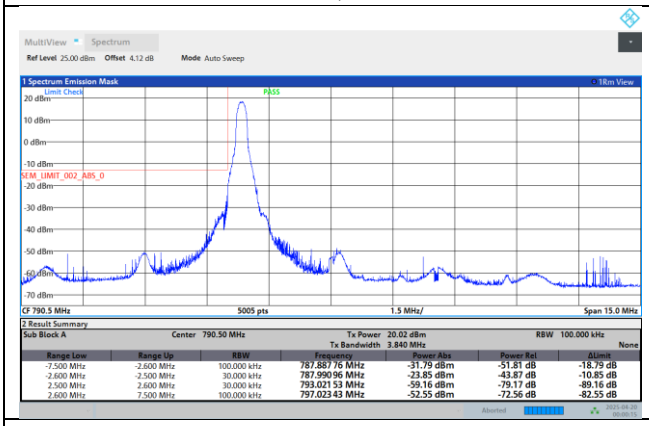
Band14-5MHz-16QAM-795.5-25RB#0



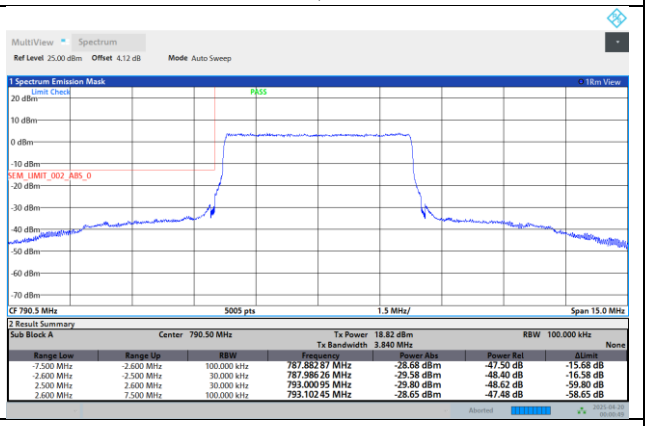
Band14-5MHz-64QAM-790.5-1RB#0



Band14-5MHz-64QAM-790.5-25RB#0



Band14-5MHz-64QAM-795.5-1RB#24



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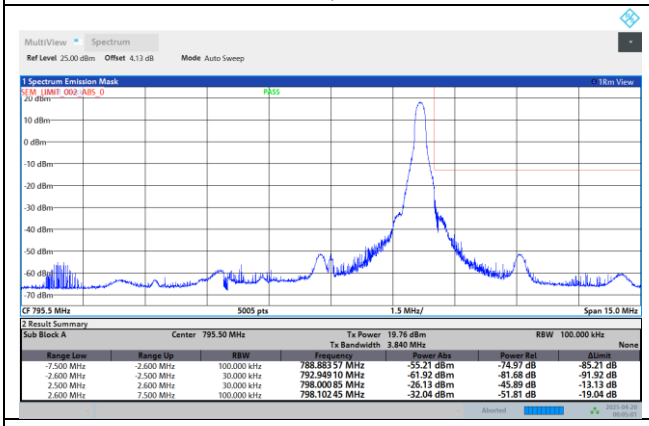
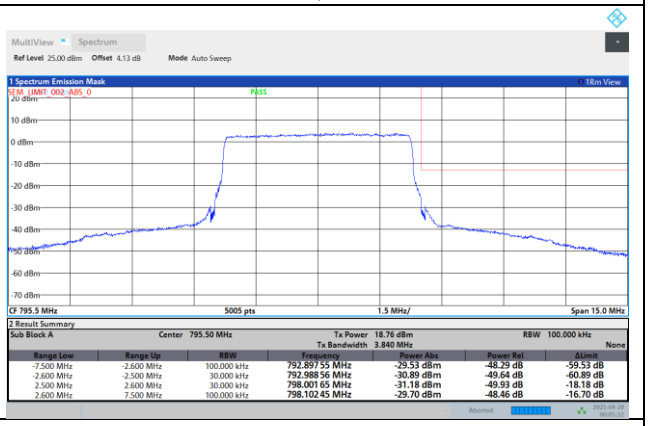


Band14-5MHz-256QAM-790.5-1RB#0



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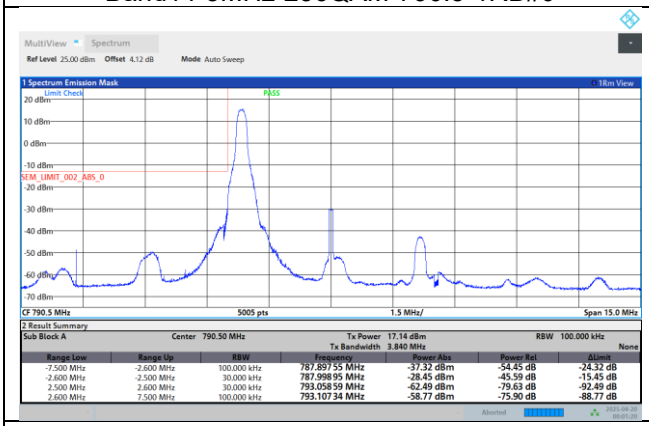

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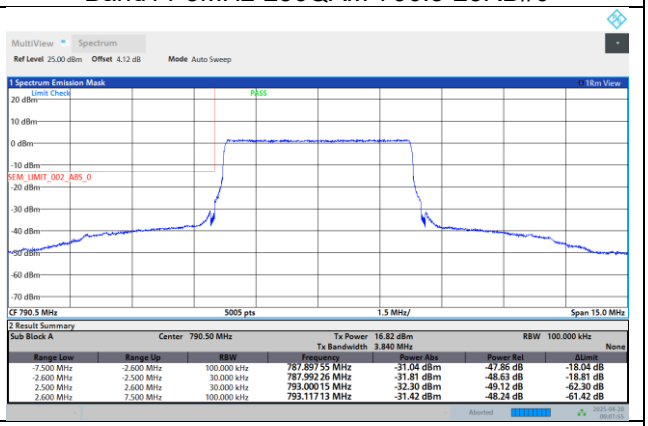

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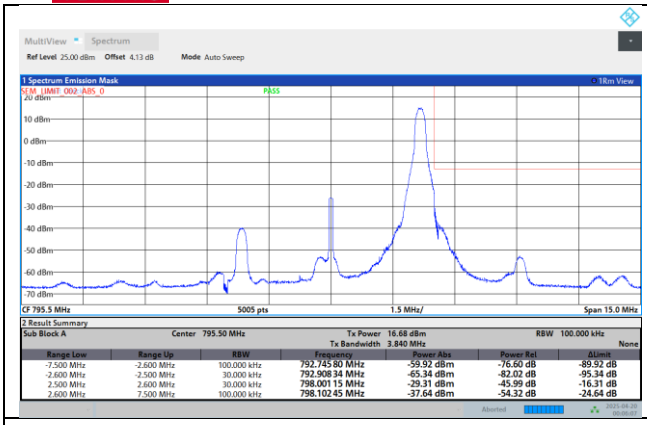
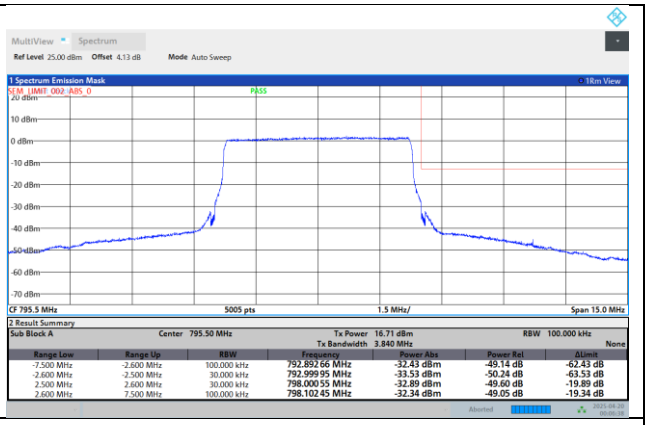


Band14-10MHz-QPSK-793-1RB#0



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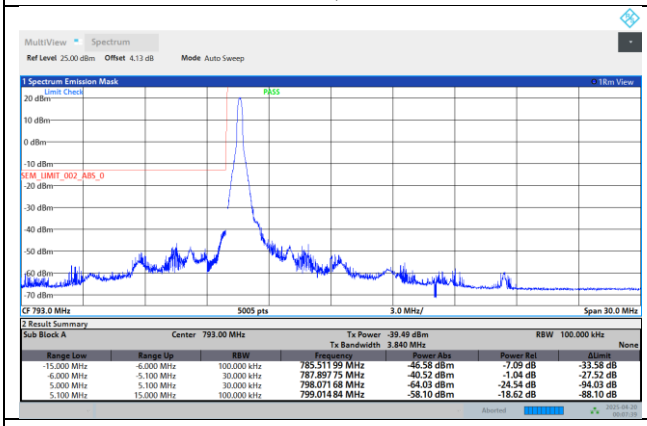

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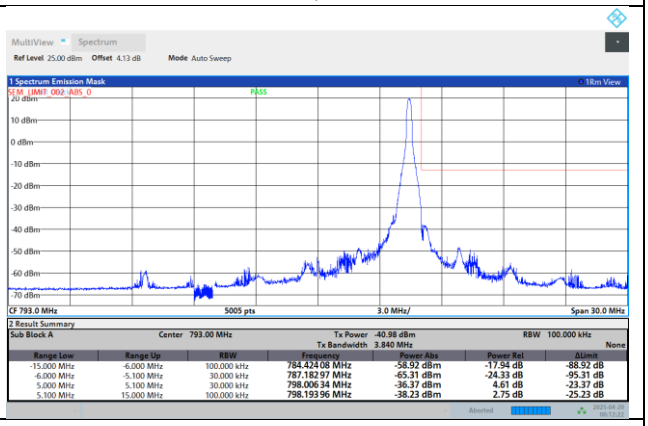

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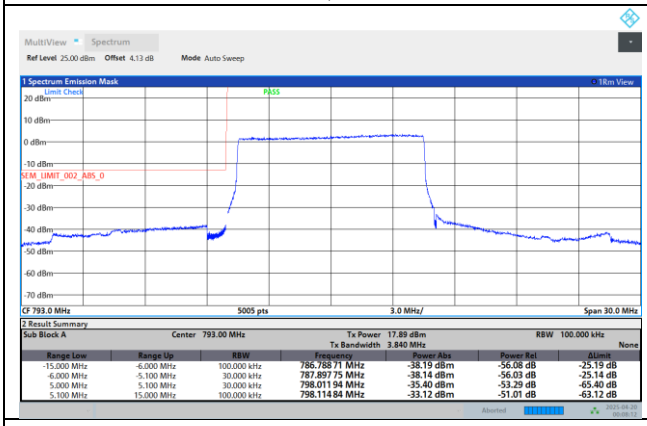

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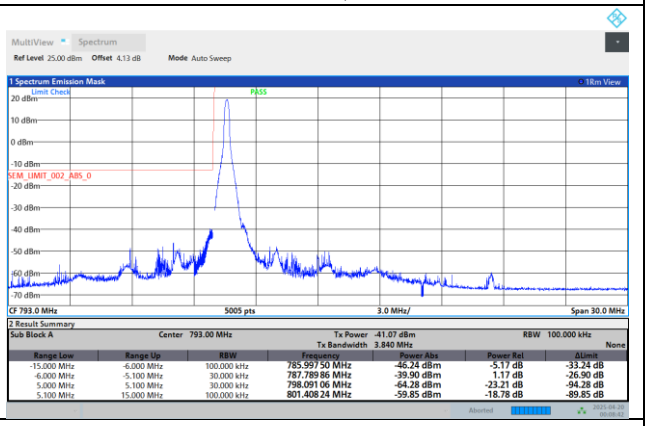

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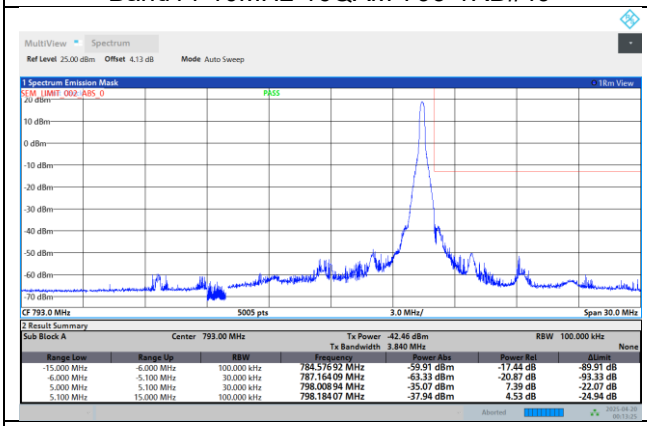
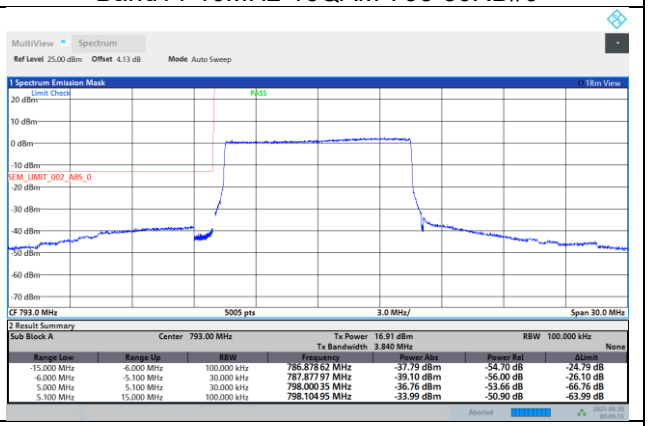


Band14-10MHz-64QAM-793-1RB#0



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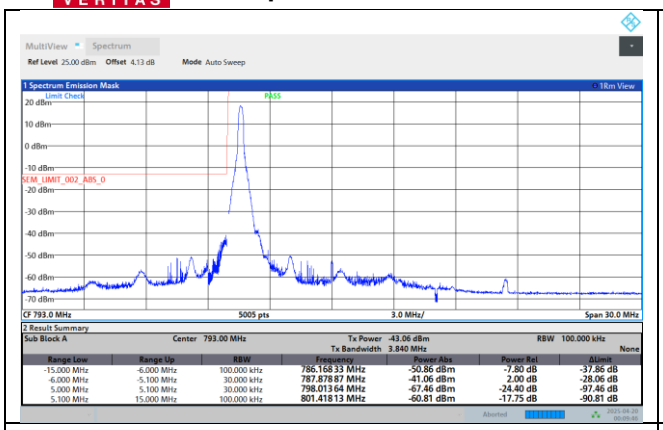

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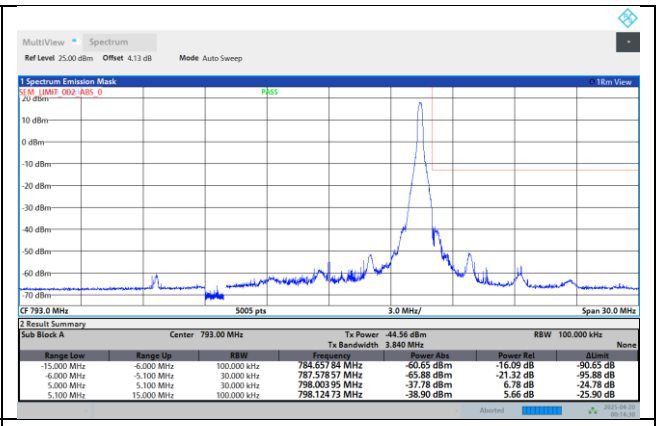

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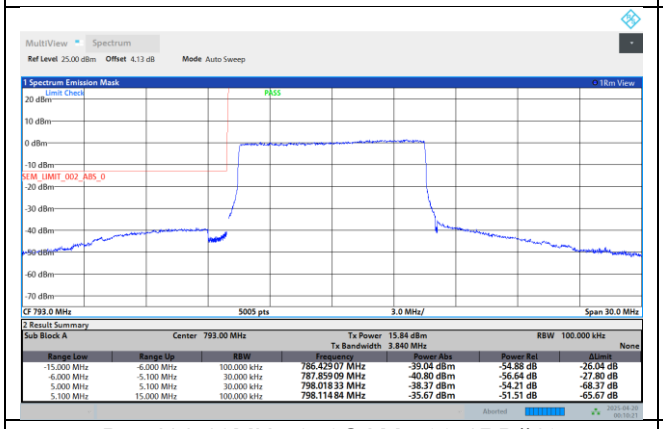

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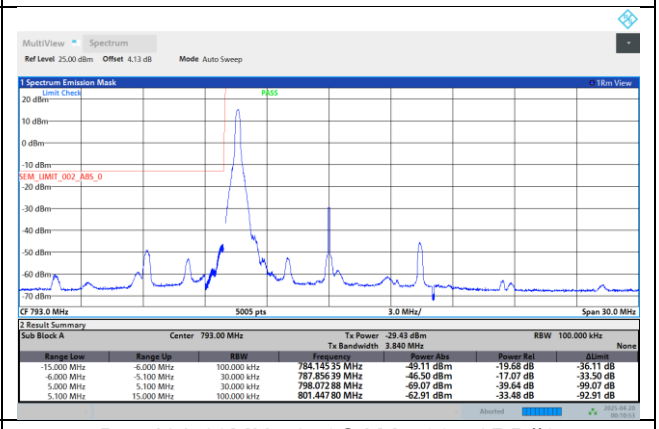

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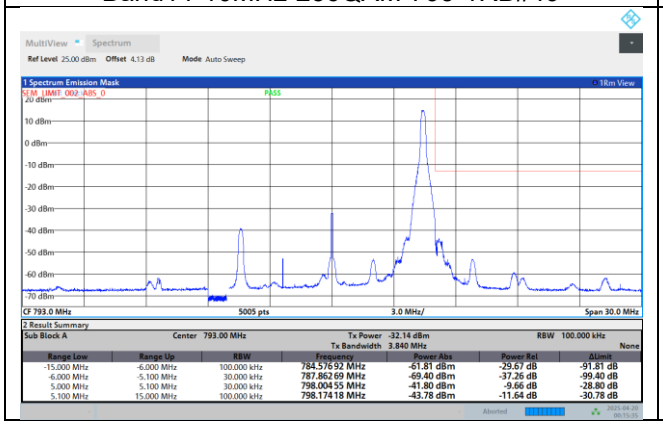

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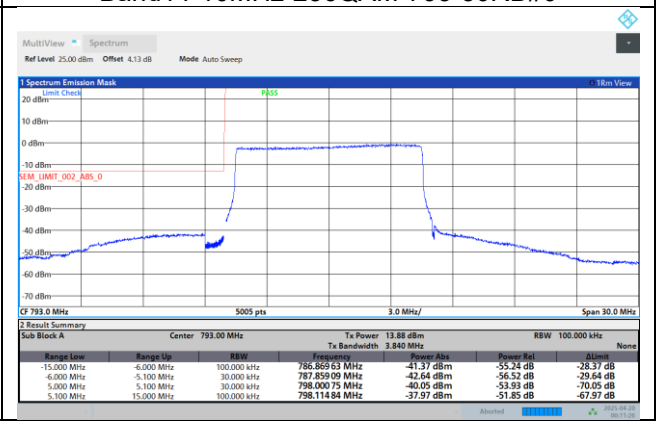
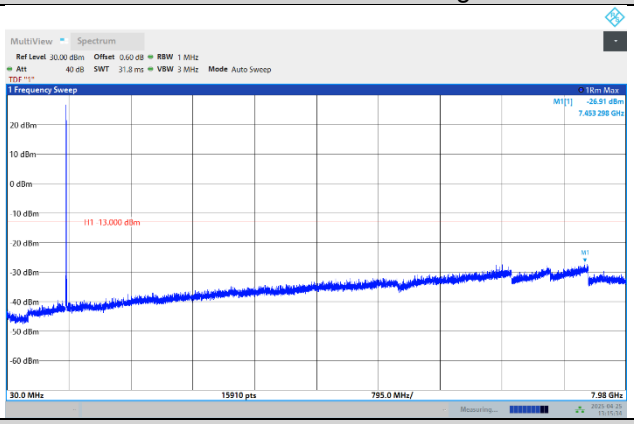
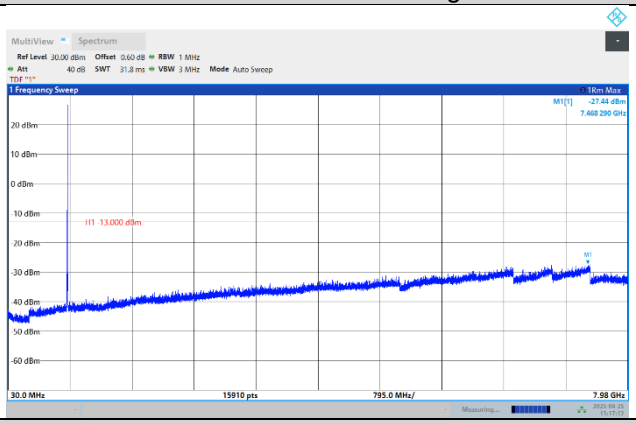
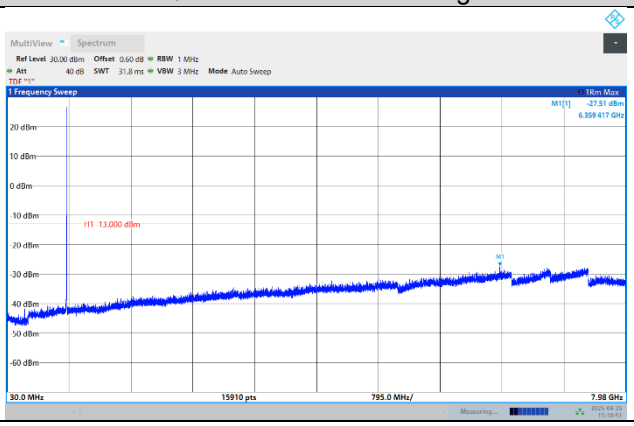
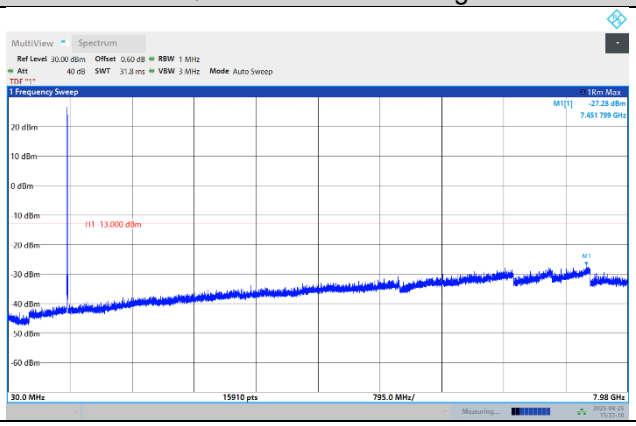


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Frequency (MHz)	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	5MHz	QPSK	790.5	1RB#0	Range:30~7980MHz	See Graph	PASS
Band14	5MHz	QPSK	793	1RB#0	Range:30~7980MHz	See Graph	PASS
Band14	5MHz	QPSK	795.5	1RB#0	Range:30~7980MHz	See Graph	PASS
Band14	10MHz	QPSK	793	1RB#0	Range:30~7980MHz	See Graph	PASS

Test Graphs

Band14-5MHz-QPSK-790.5-1RB#0-Range:30~7980MHz	Band14-5MHz-QPSK-793-1RB#0-Range:30~7980MHz
	
Band14-5MHz-QPSK-795.5-1RB#0-Range:30~7980MHz	**Band14-10MHz-QPSK-793-1RB#0-Range:30~7980MHz**
	

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Frequency (MHz)	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	793	75RB#0	LV	NT	24.78	0.0312	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	NT	7.92	0.0100	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	HV	NT	-11.92	-0.0150	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Frequency (MHz)	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	793	75RB#0	NV	-30	-6.84	-0.0086	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	-20	-10.71	-0.0135	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	-10	1.94	0.0024	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	0	-3.55	-0.0045	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	10	-12.24	-0.0154	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	20	-3.65	-0.0046	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	30	16.74	0.0211	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	40	-18.88	-0.0238	±2.5	PASS
Band14	10MHz	QPSK	793	75RB#0	NV	50	-12.57	-0.0159	±2.5	PASS

LTE BAND26

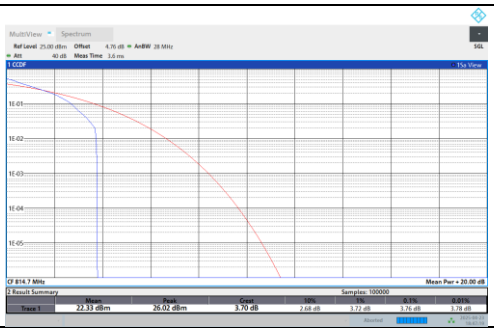
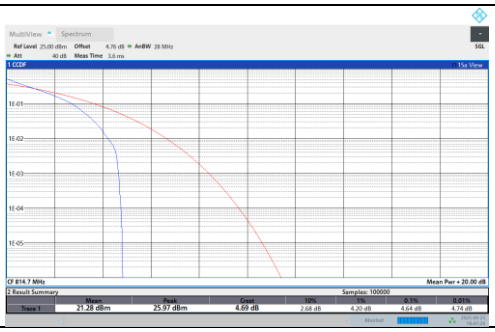
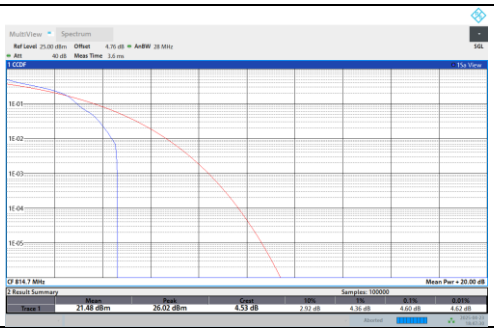
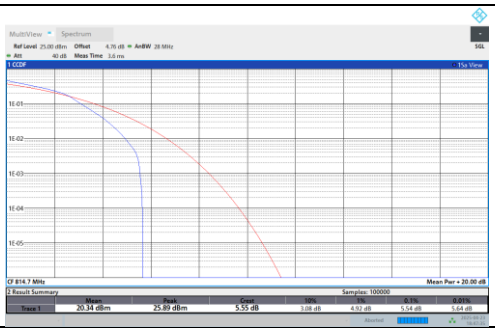
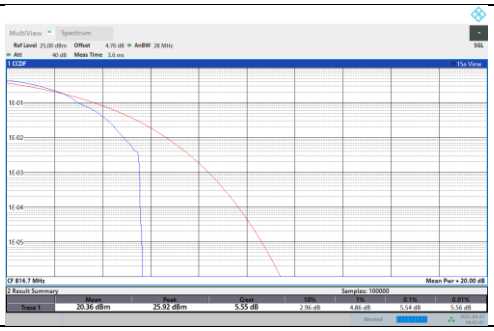
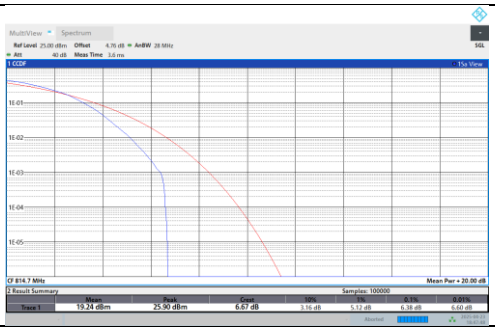
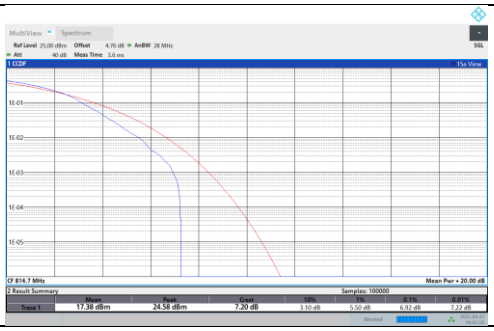
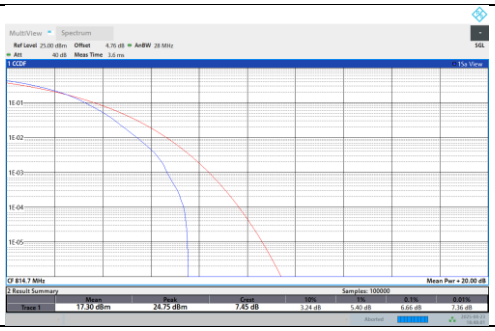
PEAK-TO-AVERAGE RATIO(CCDF)

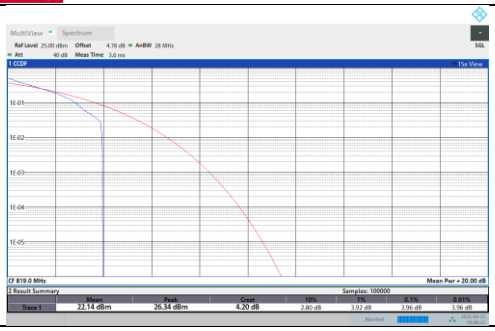
Test Result

Bandwidth	Modulation	Frequency (MHz)	RB Configuration	Result (dB)	Limit (dB)	Verdict
1.4MHz	QPSK	814.7	1 RB low	3.76	13	PASS
1.4MHz	QPSK	814.7	100% RB	4.64	13	PASS
1.4MHz	16QAM	814.7	1 RB low	4.6	13	PASS
1.4MHz	16QAM	814.7	100% RB	5.54	13	PASS
1.4MHz	64QAM	814.7	1 RB low	5.54	13	PASS
1.4MHz	64QAM	814.7	100% RB	6.38	13	PASS
1.4MHz	256QAM	814.7	1 RB low	6.92	13	PASS
1.4MHz	256QAM	814.7	100% RB	6.66	13	PASS
1.4MHz	QPSK	819	1 RB low	3.96	13	PASS
1.4MHz	QPSK	819	100% RB	4.88	13	PASS
1.4MHz	16QAM	819	1 RB low	4.9	13	PASS
1.4MHz	16QAM	819	100% RB	5.98	13	PASS
1.4MHz	64QAM	819	1 RB low	5.64	13	PASS
1.4MHz	64QAM	819	100% RB	6.66	13	PASS
1.4MHz	256QAM	819	1 RB low	6.56	13	PASS
1.4MHz	256QAM	819	100% RB	6.84	13	PASS
1.4MHz	QPSK	823.3	1 RB low	3.86	13	PASS
1.4MHz	QPSK	823.3	100% RB	4.82	13	PASS
1.4MHz	16QAM	823.3	1 RB low	4.9	13	PASS
1.4MHz	16QAM	823.3	100% RB	5.78	13	PASS
1.4MHz	64QAM	823.3	1 RB low	5.92	13	PASS
1.4MHz	64QAM	823.3	100% RB	6.54	13	PASS
1.4MHz	256QAM	823.3	1 RB low	6.44	13	PASS
1.4MHz	256QAM	823.3	100% RB	6.92	13	PASS
3MHz	QPSK	815.5	1 RB low	3.74	13	PASS
3MHz	QPSK	815.5	100% RB	4.76	13	PASS
3MHz	16QAM	815.5	1 RB low	4.6	13	PASS
3MHz	16QAM	815.5	100% RB	5.76	13	PASS
3MHz	64QAM	815.5	1 RB low	5.26	13	PASS
3MHz	64QAM	815.5	100% RB	6.34	13	PASS
3MHz	256QAM	815.5	1 RB low	7.3	13	PASS
3MHz	256QAM	815.5	100% RB	6.82	13	PASS
3MHz	QPSK	819	1 RB low	3.96	13	PASS
3MHz	QPSK	819	100% RB	4.78	13	PASS
3MHz	16QAM	819	1 RB low	4.8	13	PASS
3MHz	16QAM	819	100% RB	5.8	13	PASS
3MHz	64QAM	819	1 RB low	5.72	13	PASS
3MHz	64QAM	819	100% RB	6.74	13	PASS
3MHz	256QAM	819	1 RB low	6.36	13	PASS
3MHz	256QAM	819	100% RB	6.84	13	PASS
3MHz	QPSK	822.5	1 RB low	3.96	13	PASS
3MHz	QPSK	822.5	100% RB	4.86	13	PASS
3MHz	16QAM	822.5	1 RB low	4.98	13	PASS

3MHz	16QAM	822.5	100% RB	5.88	13	PASS
3MHz	64QAM	822.5	1 RB low	5.9	13	PASS
3MHz	64QAM	822.5	100% RB	6.58	13	PASS
3MHz	256QAM	822.5	1 RB low	6.78	13	PASS
3MHz	256QAM	822.5	100% RB	6.84	13	PASS
5MHz	QPSK	816.5	1 RB low	3.68	13	PASS
5MHz	QPSK	816.5	100% RB	4.88	13	PASS
5MHz	16QAM	816.5	1 RB low	4.7	13	PASS
5MHz	16QAM	816.5	100% RB	5.8	13	PASS
5MHz	64QAM	816.5	1 RB low	5.54	13	PASS
5MHz	64QAM	816.5	100% RB	6.62	13	PASS
5MHz	256QAM	816.5	1 RB low	7.2	13	PASS
5MHz	256QAM	816.5	100% RB	6.94	13	PASS
5MHz	QPSK	819	1 RB low	3.86	13	PASS
5MHz	QPSK	819	100% RB	4.88	13	PASS
5MHz	16QAM	819	1 RB low	4.8	13	PASS
5MHz	16QAM	819	100% RB	5.8	13	PASS
5MHz	64QAM	819	1 RB low	5.92	13	PASS
5MHz	64QAM	819	100% RB	6.62	13	PASS
5MHz	256QAM	819	1 RB low	7	13	PASS
5MHz	256QAM	819	100% RB	6.84	13	PASS
5MHz	QPSK	821.5	1 RB low	4.06	13	PASS
5MHz	QPSK	821.5	100% RB	4.96	13	PASS
5MHz	16QAM	821.5	1 RB low	4.88	13	PASS
5MHz	16QAM	821.5	100% RB	5.9	13	PASS
5MHz	64QAM	821.5	1 RB low	5.82	13	PASS
5MHz	64QAM	821.5	100% RB	6.46	13	PASS
5MHz	256QAM	821.5	1 RB low	7.1	13	PASS
5MHz	256QAM	821.5	100% RB	6.86	13	PASS
10MHz	QPSK	819	1 RB low	3.86	13	PASS
10MHz	QPSK	819	100% RB	5.1	13	PASS
10MHz	16QAM	819	1 RB low	4.68	13	PASS
10MHz	16QAM	819	100% RB	5.72	13	PASS
10MHz	64QAM	819	1 RB low	5.58	13	PASS
10MHz	64QAM	819	100% RB	6.56	13	PASS
10MHz	256QAM	819	1 RB low	7.04	13	PASS
10MHz	256QAM	819	100% RB	6.92	13	PASS
10MHz	QPSK	819	1 RB low	3.86	13	PASS
10MHz	QPSK	819	100% RB	5.04	13	PASS
10MHz	16QAM	819	1 RB low	4.6	13	PASS
10MHz	16QAM	819	100% RB	5.72	13	PASS
10MHz	64QAM	819	1 RB low	5.62	13	PASS
10MHz	64QAM	819	100% RB	6.46	13	PASS
10MHz	256QAM	819	1 RB low	6.6	13	PASS
10MHz	256QAM	819	100% RB	6.94	13	PASS
10MHz	QPSK	819	1 RB low	3.86	13	PASS
10MHz	QPSK	819	100% RB	5.12	13	PASS
10MHz	16QAM	819	1 RB low	4.7	13	PASS
10MHz	16QAM	819	100% RB	5.8	13	PASS
10MHz	64QAM	819	1 RB low	5.7	13	PASS
10MHz	64QAM	819	100% RB	6.6	13	PASS
10MHz	256QAM	819	1 RB low	6.2	13	PASS
10MHz	256QAM	819	100% RB	6.92	13	PASS

Test Graphs

Band 26-1.4M-LOW-1 RB low	Band 26-1.4M-LOW-100% RB
	
Band 26-1.4M-LOW-1 RB low	Band 26-1.4M-LOW-100% RB
	
Band 26-1.4M-LOW-1 RB low	Band 26-1.4M-LOW-100% RB
	
Band 26-1.4M-LOW-1 RB low	Band 26-1.4M-LOW-100% RB
	
Band 26-1.4M-MID-1 RB low	Band 26-1.4M-MID-100% RB



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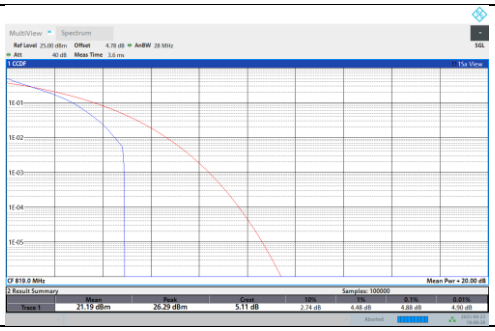

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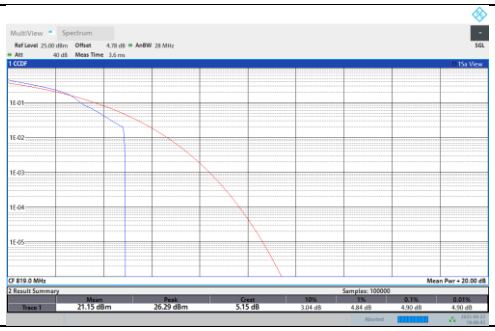

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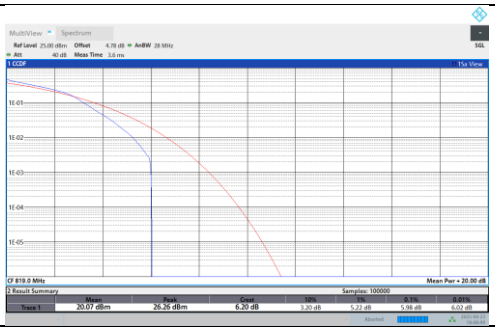

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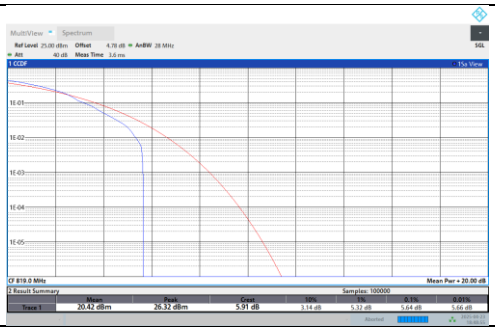

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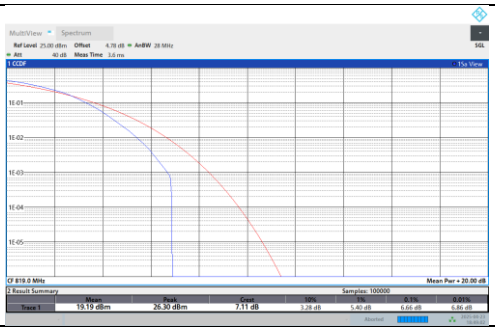

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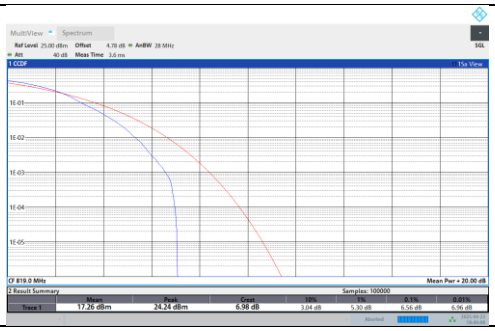
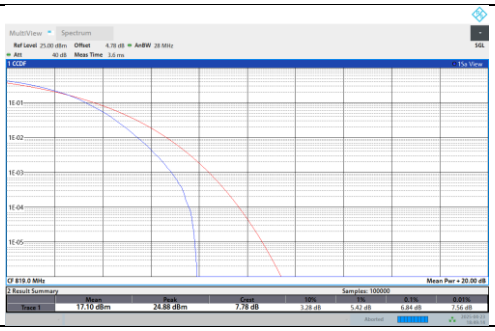
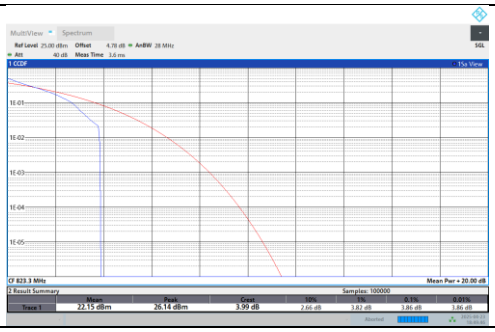


Band 26-1.4M-HIGH-1 RB low



Band 26-1.4M-HIGH-100% RB



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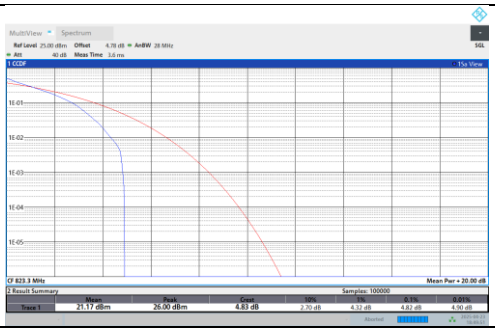

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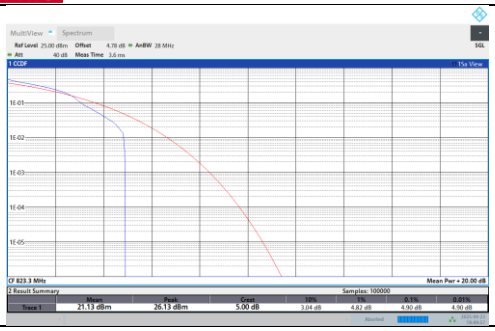

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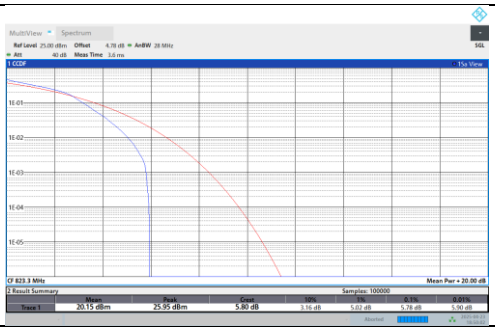

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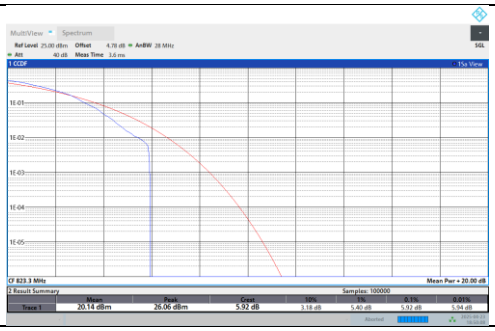

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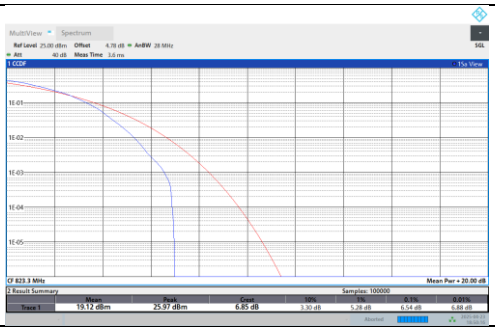

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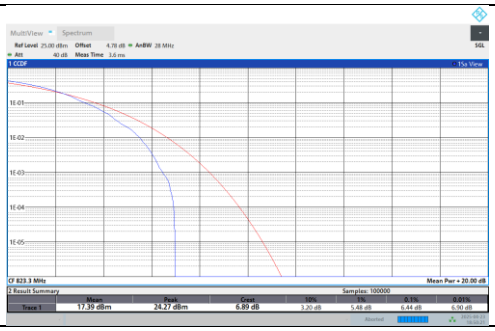
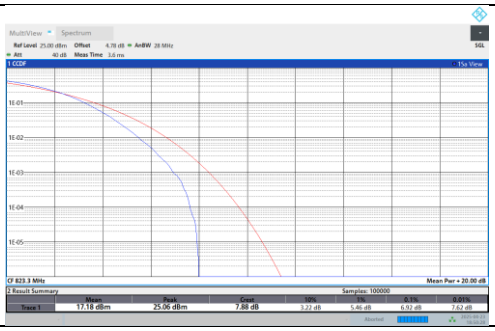
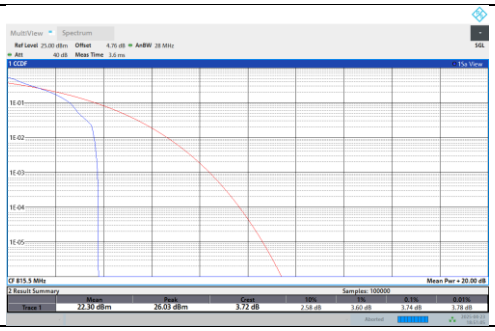


Band 26-3M-LOW-1 RB low



Band 26-3M-LOW-100% RB



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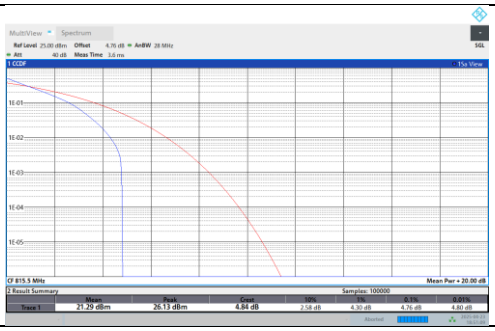
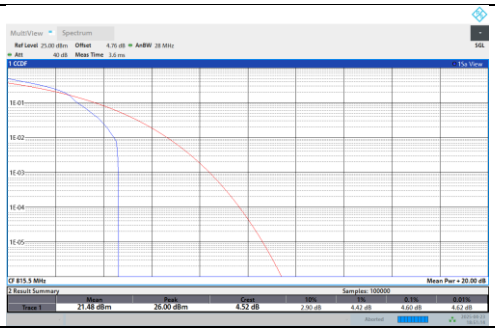
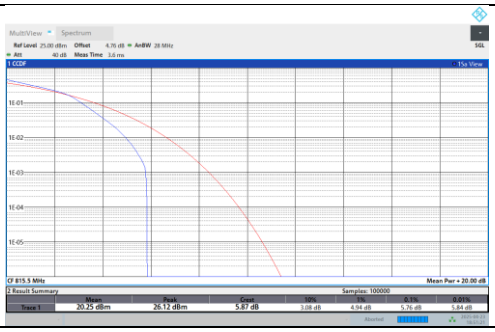


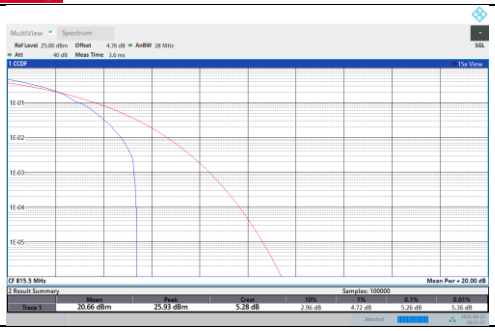
Band 26-3M-LOW-100% RB



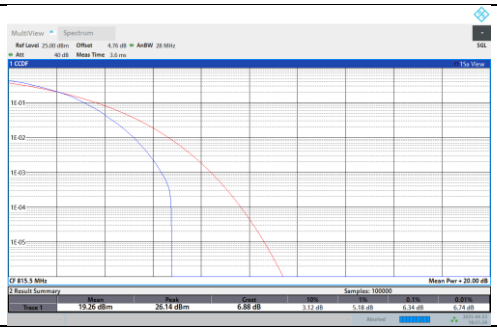
Band 26-3M-LOW-1 RB low



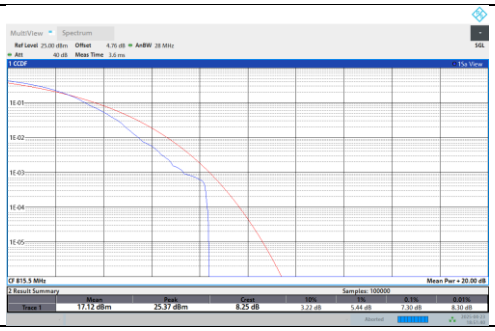
Band 26-3M-LOW-100% RB



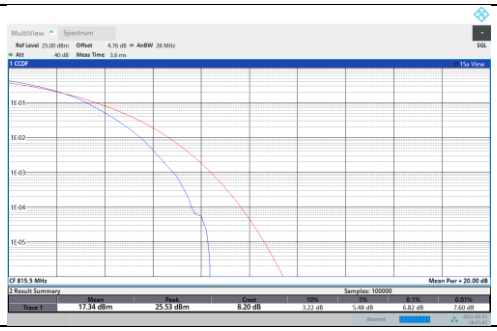
Band 26-3M-LOW-1 RB low



Band 26-3M-LOW-100% RB



Band 26-3M-MID-1 RB low



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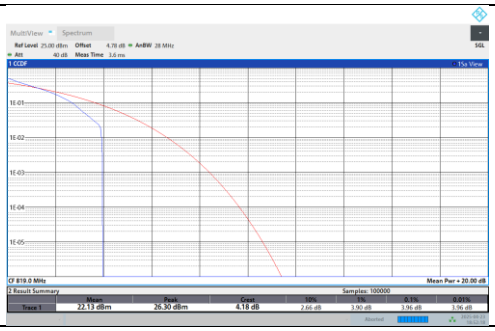

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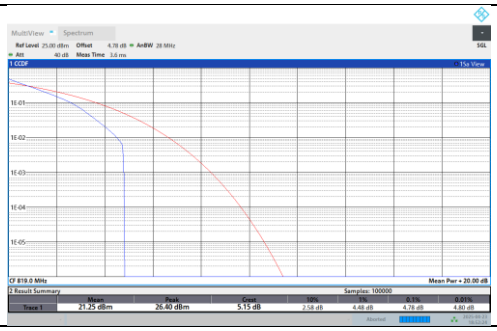

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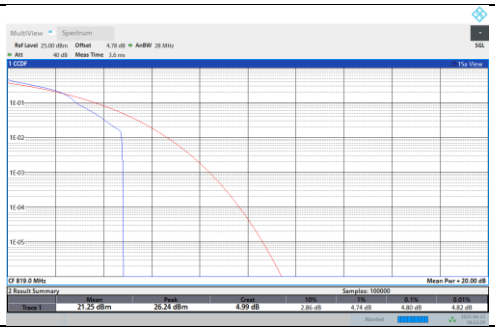
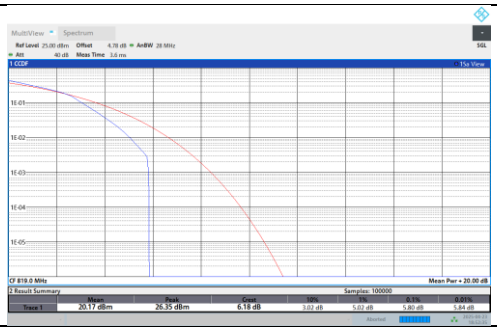
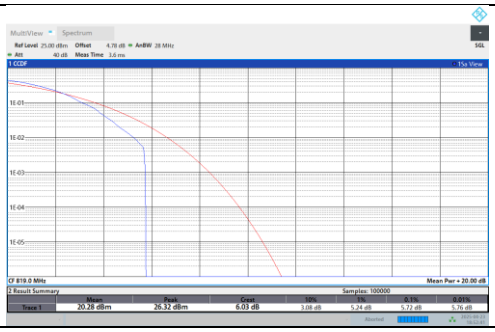


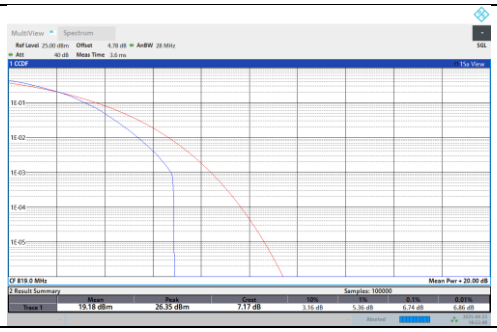
Band 26-3M-MID-1 RB low



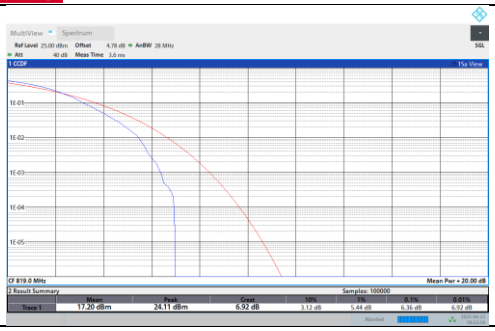
Band 26-3M-MID-100% RB



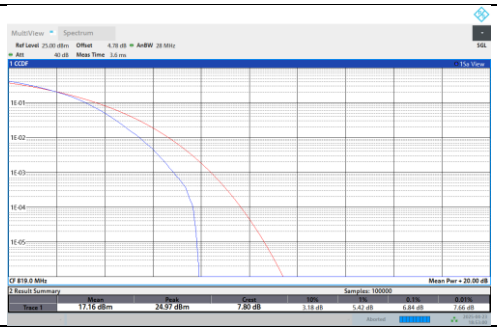
Band 26-3M-MID-1 RB low



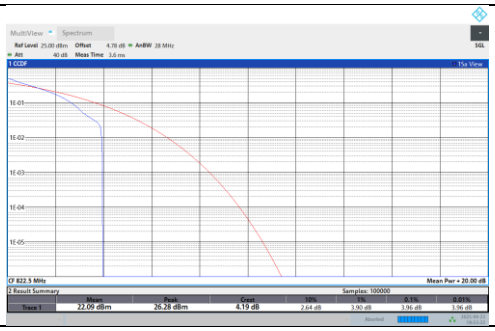
Band 26-3M-MID-100% RB



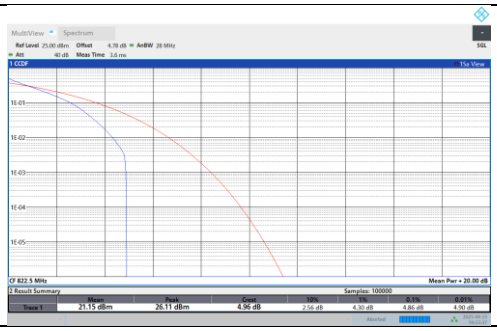
Band 26-3M-HIGH-1 RB low



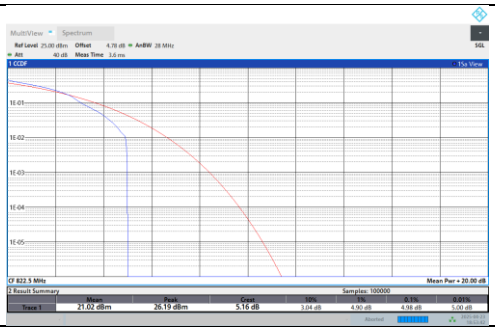
Band 26-3M-HIGH-100% RB



Band 26-3M-HIGH-1 RB low



Band 26-3M-HIGH-100% RB



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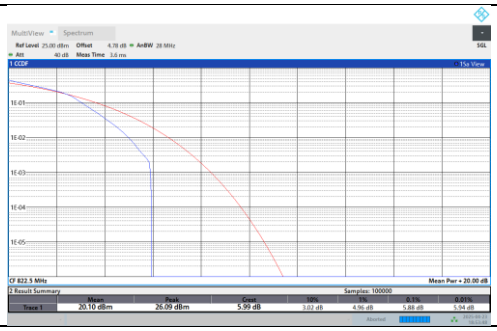

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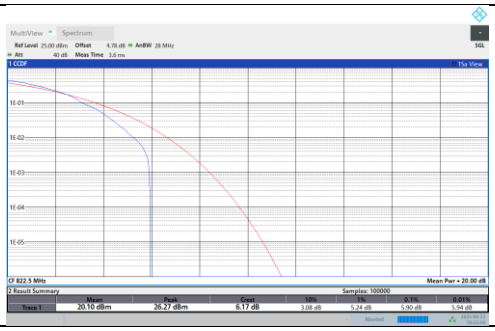
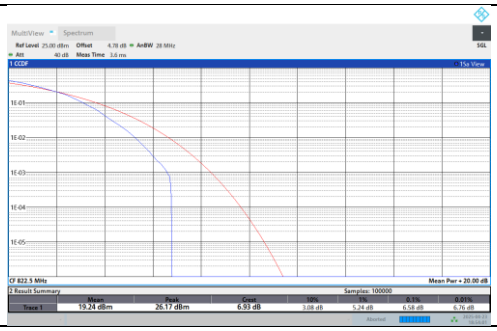
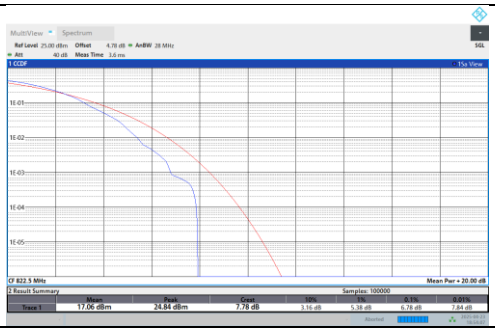


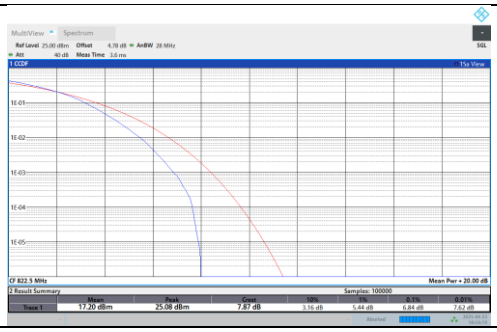
Band 26-3M-HIGH-1 RB low



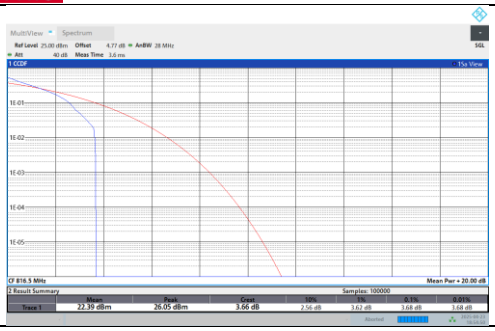
Band 26-3M-HIGH-100% RB



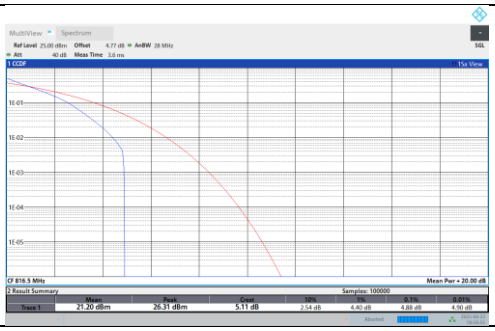
Band 26-5M-LOW-1 RB low



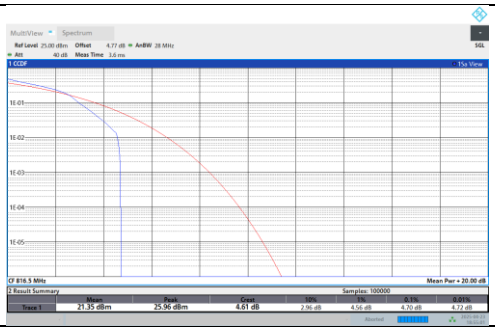
Band 26-5M-LOW-100% RB



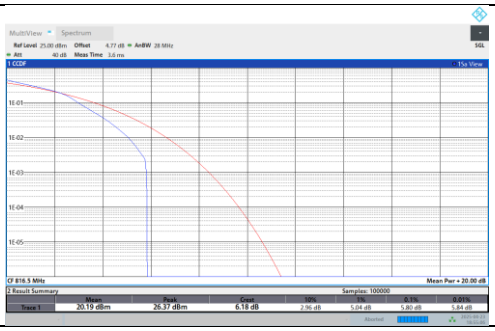
Band 26-5M-LOW-1 RB low



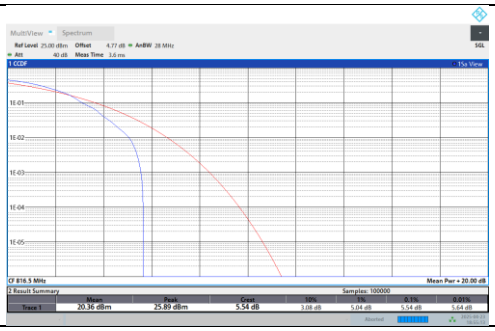
Band 26-5M-LOW-100% RB



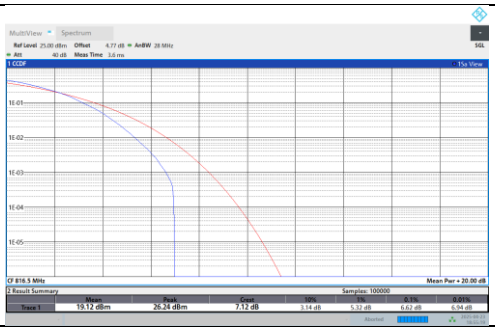
Band 26-5M-LOW-1 RB low



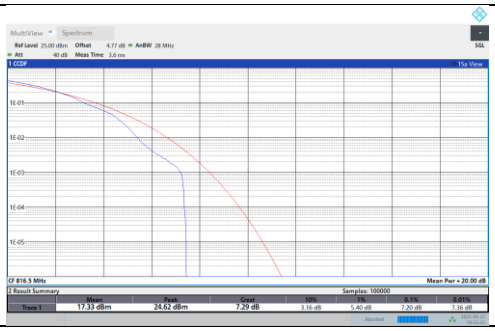
Band 26-5M-LOW-100% RB



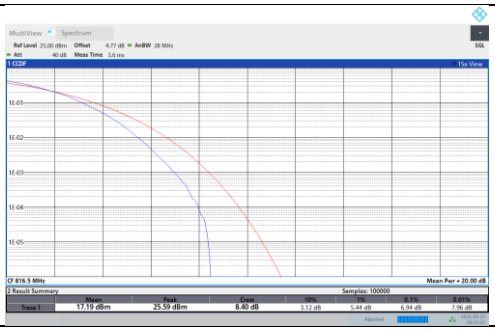
Band 26-5M-LOW-1 RB low



Band 26-5M-LOW-100% RB



Band 26-5M-MID-1 RB low



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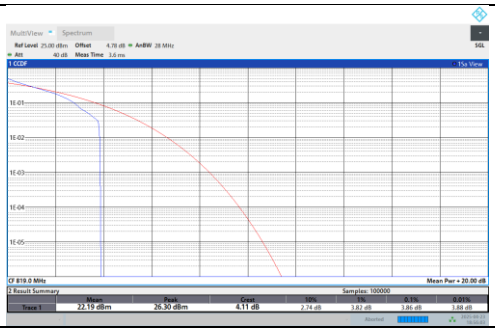
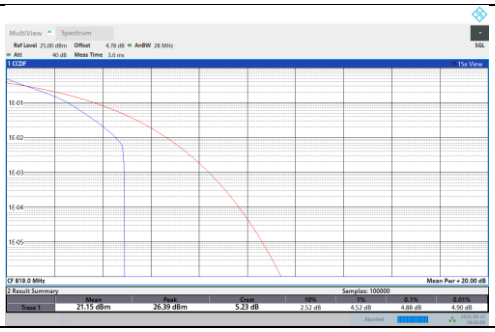
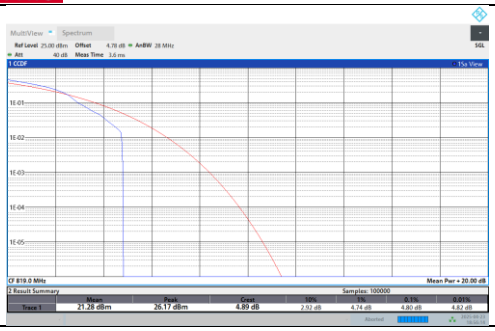


Band 26-5M-MID-1 RB low



Band 26-5M-MID-100% RB



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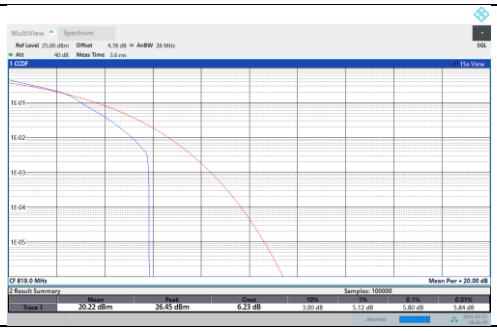

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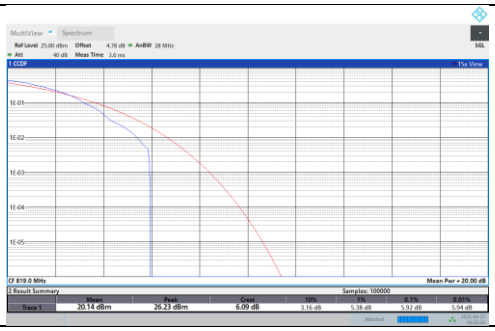

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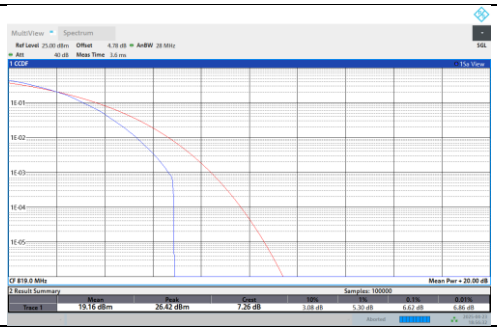

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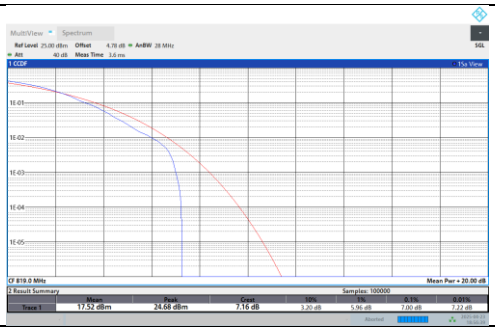
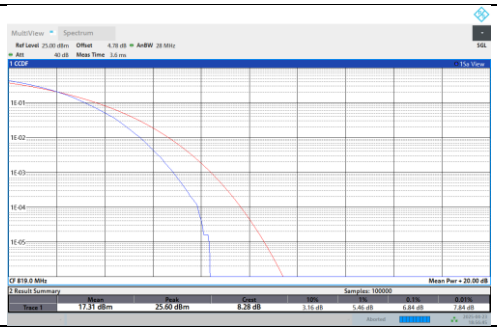


Band 26-5M-HIGH-1 RB low



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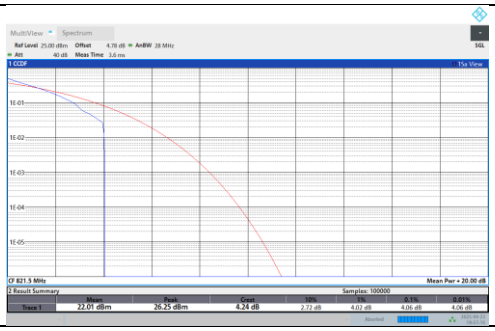
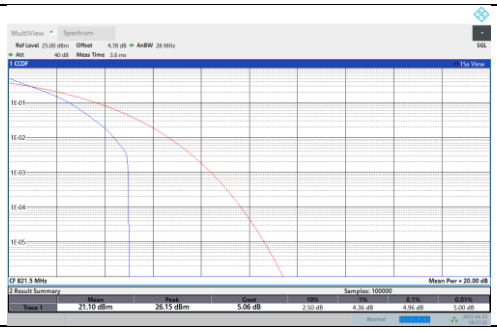


Band 26-5M-HIGH-1 RB low



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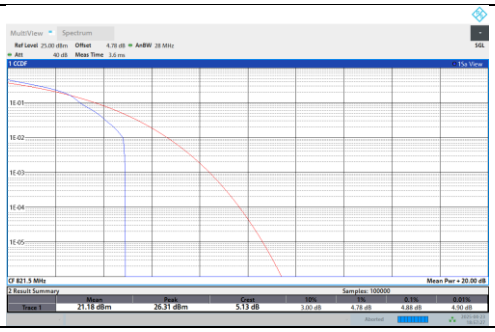

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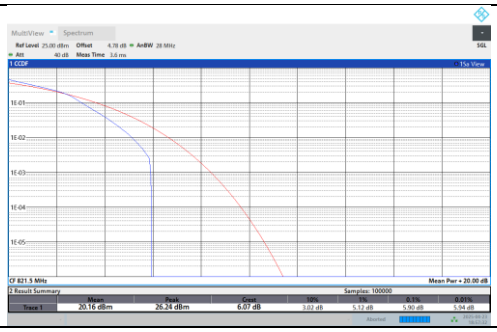

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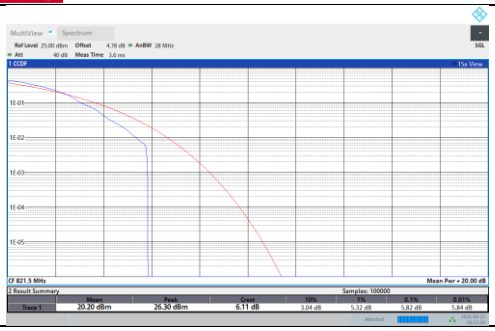

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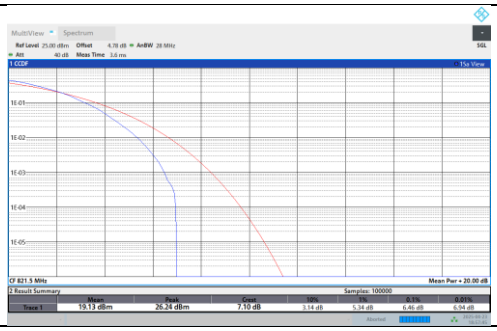
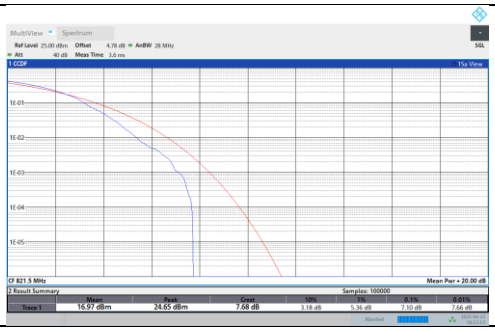
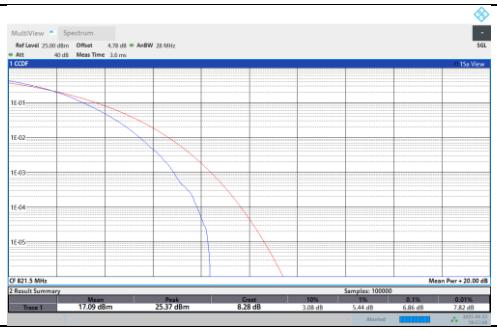


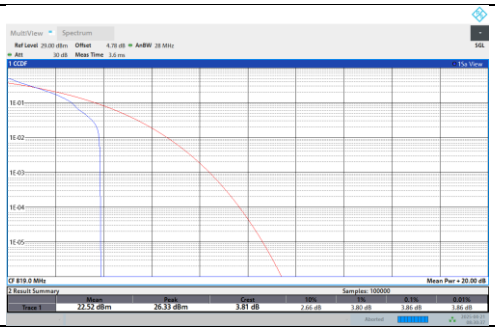
Band 26-5M-HIGH-100% RB



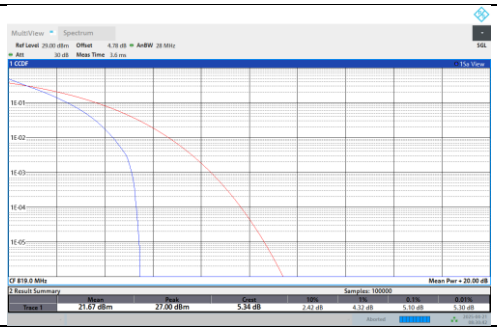
Band 26-10M-LOW-1 RB low



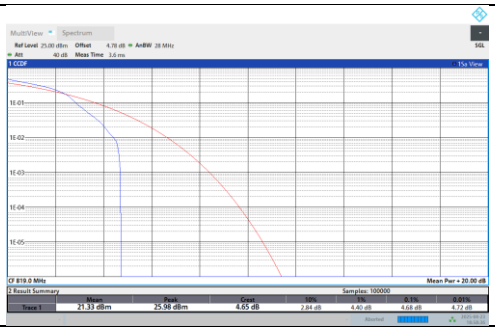
Band 26-10M-LOW-100% RB



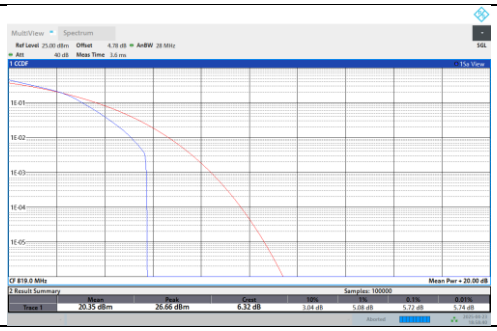
Band 26-10M-LOW-1 RB low



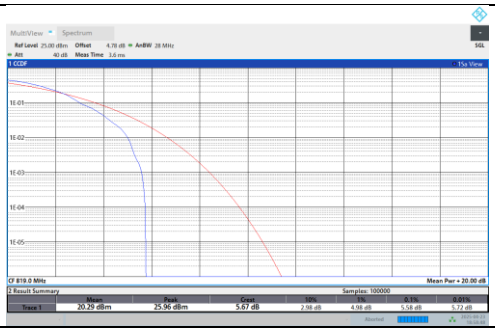
Band 26-10M-LOW-100% RB



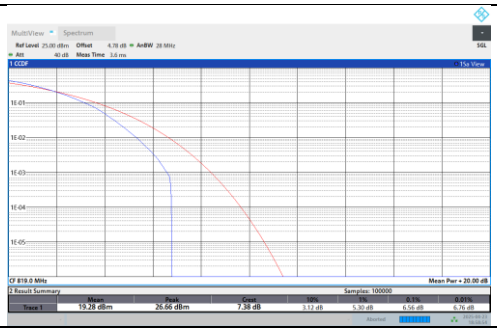
Band 26-10M-LOW-1 RB low



Band 26-10M-LOW-100% RB



Band 26-10M-LOW-1 RB low



Band 26-10M-LOW-100% RB