FCC LTE Band17 Test Data

General Description of EUT	
Product Name:	Industrial router
Test Model:	ZR2720N
Sample ID:	202305-0244-4#2
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 12V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202305-0244-51 The report only show the worst case data.	

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1. Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	21.87	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.88	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.73	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.64	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.64	PASS
Band17	5MHz	QPSK	23755	12RB#13	21.87	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.91	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.21	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.85	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.07	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.13	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.11	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.02	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.09	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.84	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.82	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.56	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.04	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.13	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.67	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.93	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.87	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.87	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.70	PASS
Band17	5MHz	16QAM	23755	12RB#0	20.68	PASS
Band17	5MHz	16QAM	23755	12RB#6	20.69	PASS
Band17	5MHz	16QAM	23755	12RB#13	20.91	PASS
Band17	5MHz	16QAM	23755	25RB#0	20.87	PASS
Band17	5MHz	16QAM	23790	1RB#0	21.75	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.40	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.33	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.04	PASS

Band17	5MHz	16QAM	23790	12RB#6	21.12	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.06	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.86	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.02	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.72	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.78	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.08	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.94	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.63	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.72	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.68	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.01	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.84	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.06	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.99	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.09	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.05	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.08	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.68	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.04	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.09	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.86	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.92	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.71	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.35	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.55	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.04	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.02	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.85	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.96	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.85	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.62	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.05	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.82	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.10	PASS

Band17	10MHz	16QAM	23780	50RB#0	20.92	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.91	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.70	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.68	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.02	PASS
Band17	10MHz	16QAM	23790	25RB#12	20.61	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.81	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.85	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.74	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.72	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.63	PASS
Band17	10MHz	16QAM	23800	25RB#0	20.99	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.96	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.91	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.90	PASS

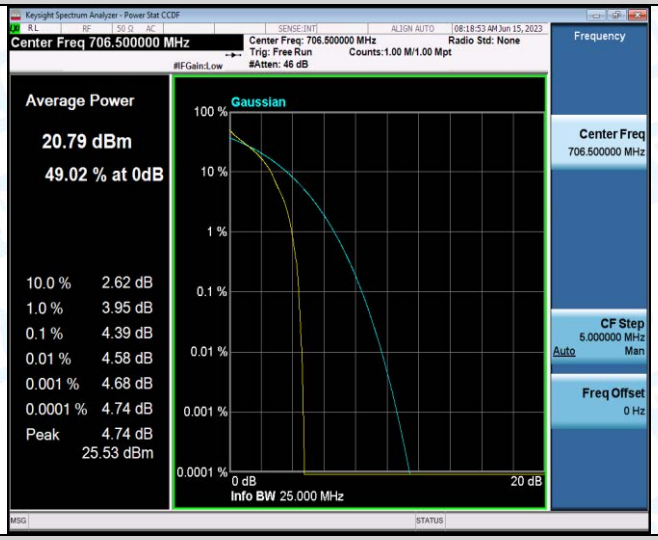
2. Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.39	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.24	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.66	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.15	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.30	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.63	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.08	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.06	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.36	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.92	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.05	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.40	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.36	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	4.86	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.36	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.85	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.35	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.88	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.67	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.78	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.12	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.78	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.23	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.74	13	PASS

Test Graphs

Band17-5MHz-QPSK-23755-1RB#0



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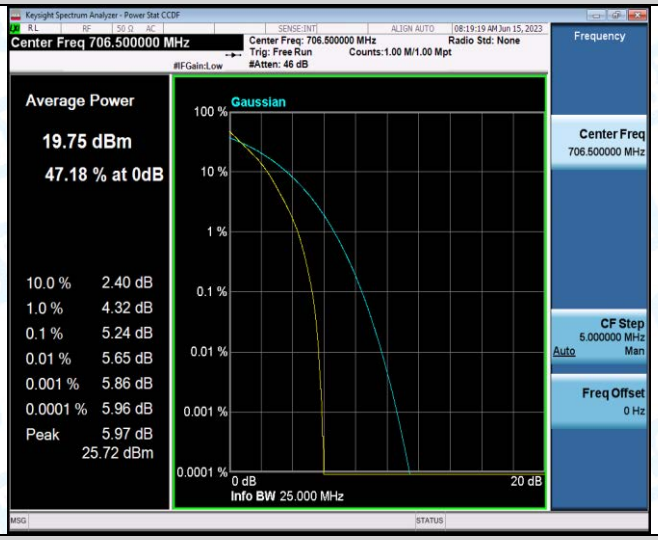
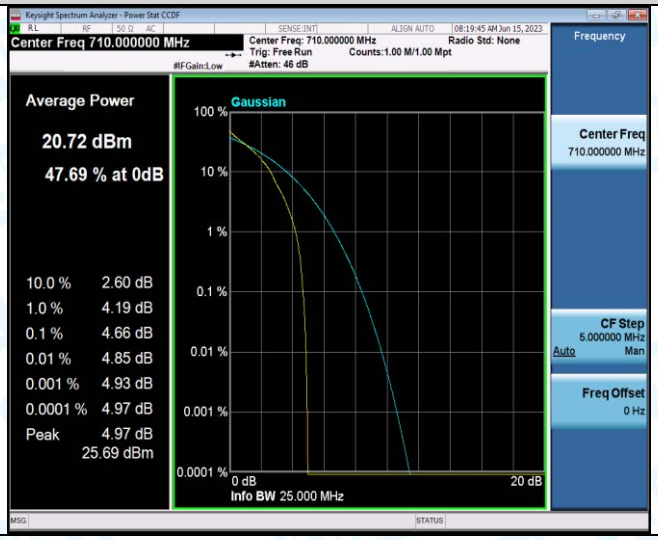


Band17-5MHz-QPSK-23790-1RB#0



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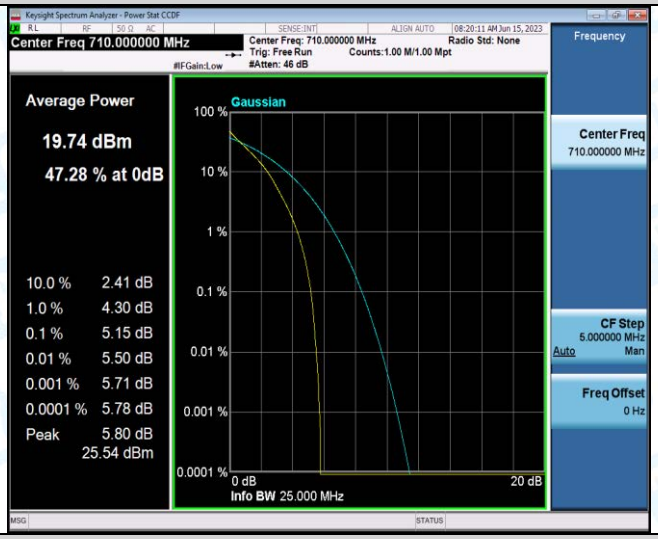
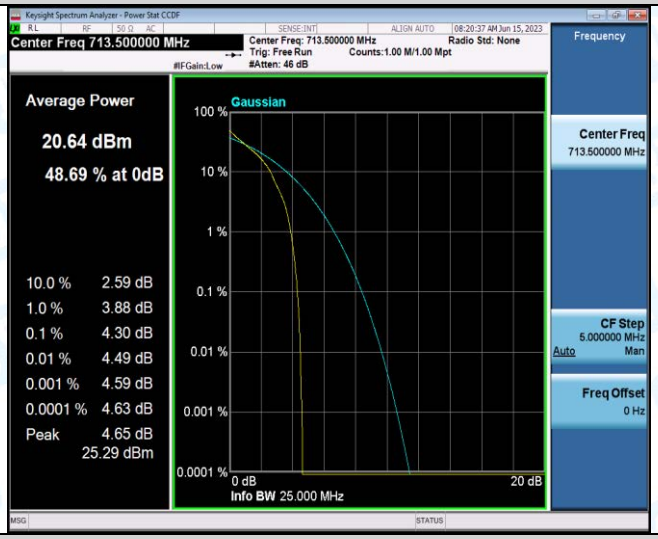


Band17-5MHz-QPSK-23825-1RB#0



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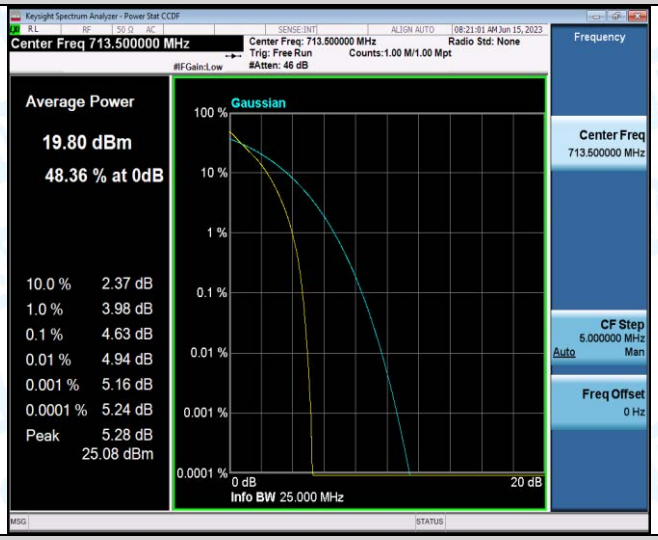

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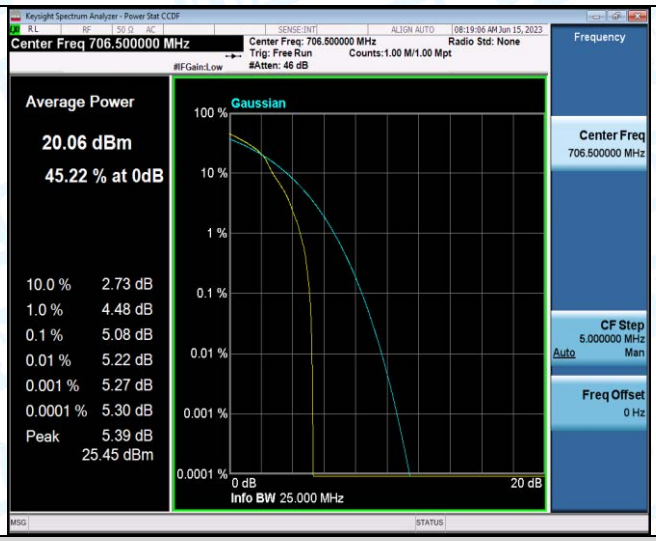

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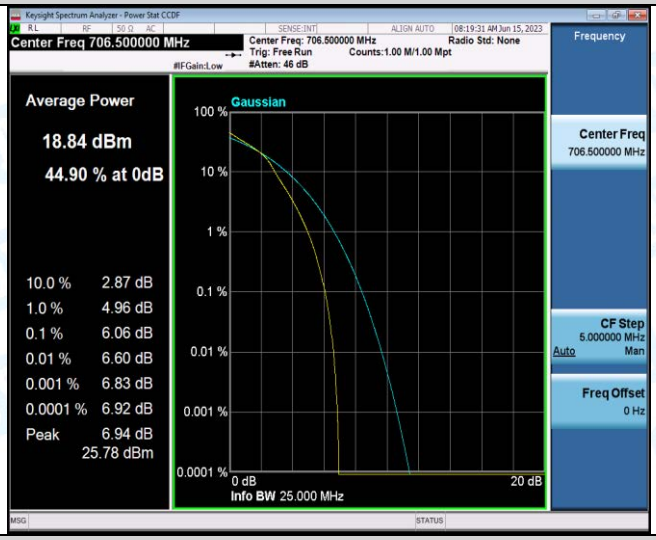

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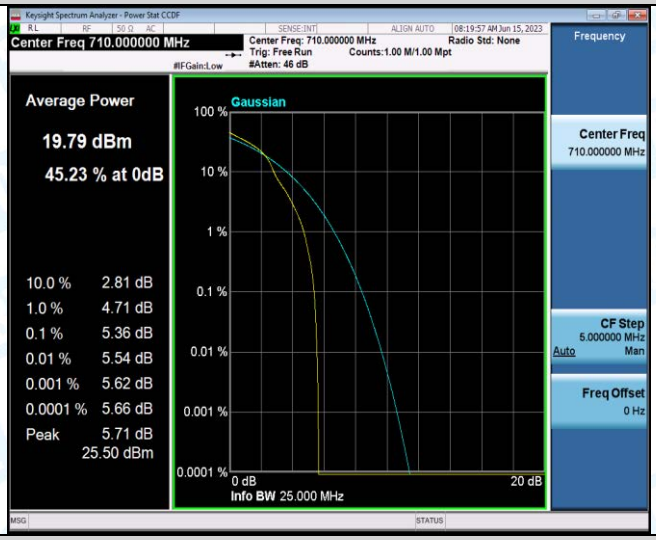
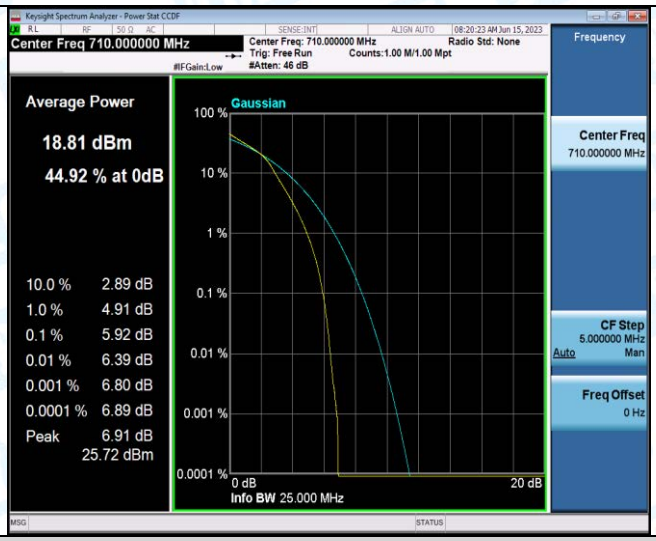


Band17-5MHz-16QAM-23790-25RB#0



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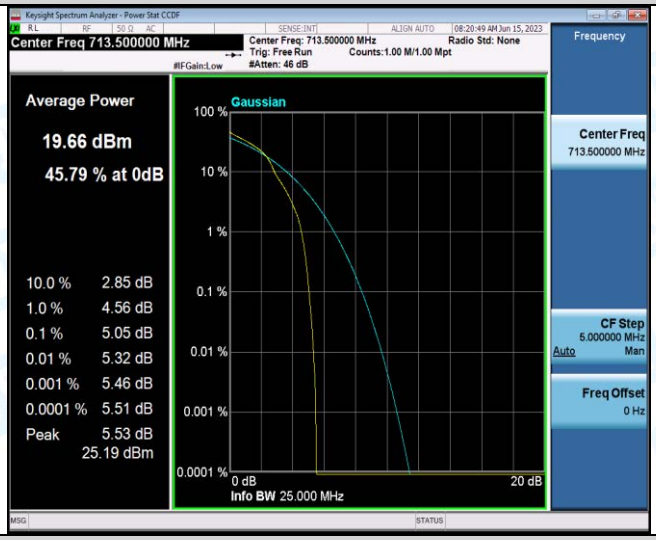
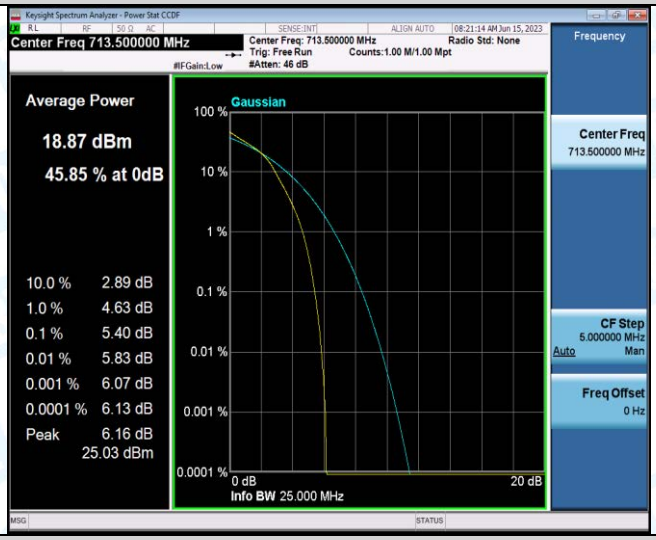
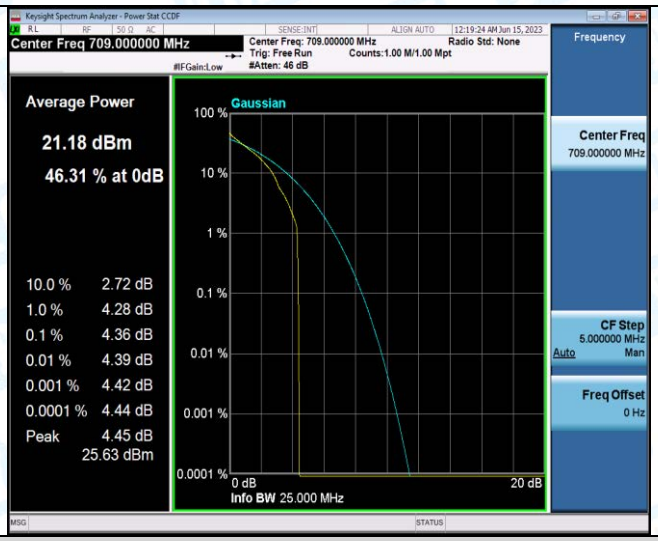


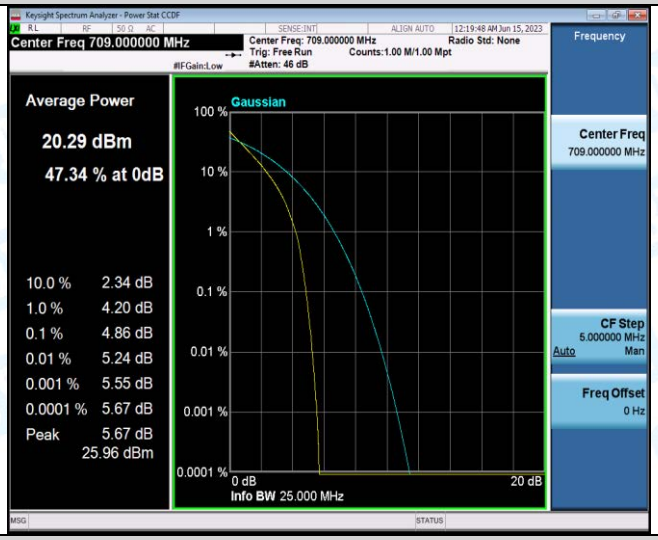
Band17-5MHz-16QAM-23825-25RB#0



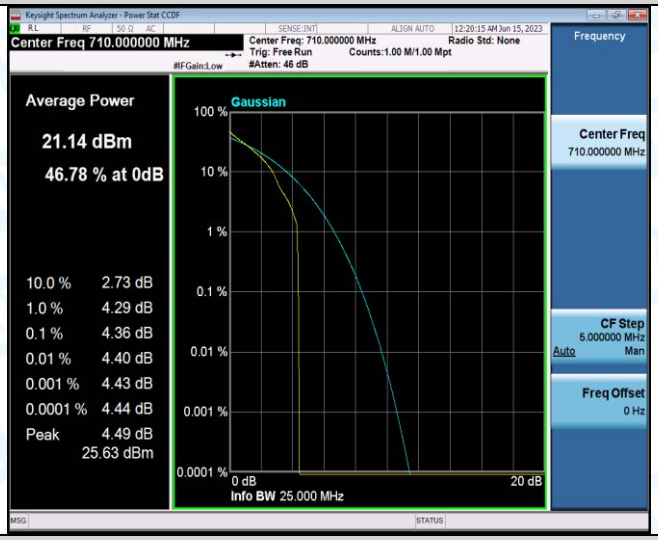
Band17-10MHz-QPSK-23780-1RB#0



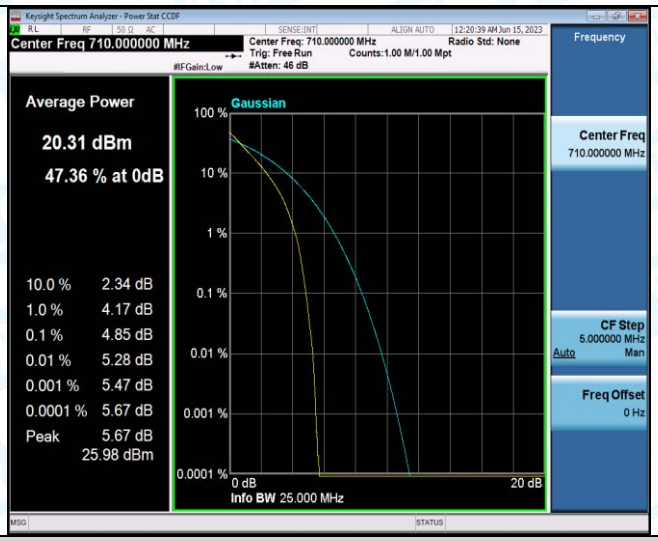
Band17-10MHz-QPSK-23780-50RB#0



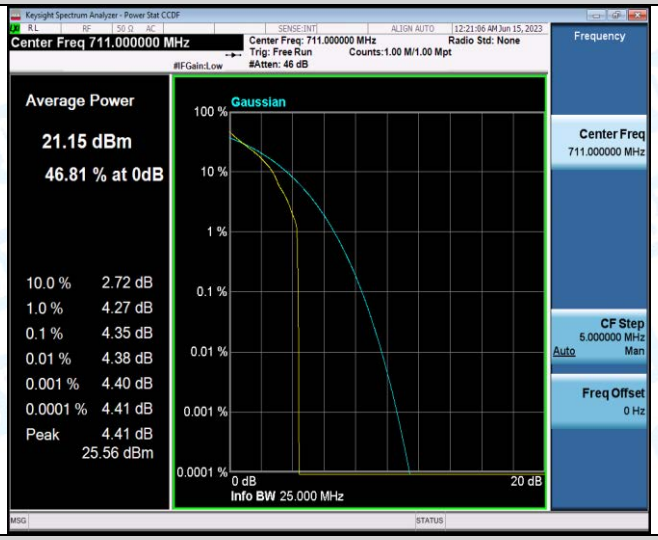
Band17-10MHz-QPSK-23790-1RB#0



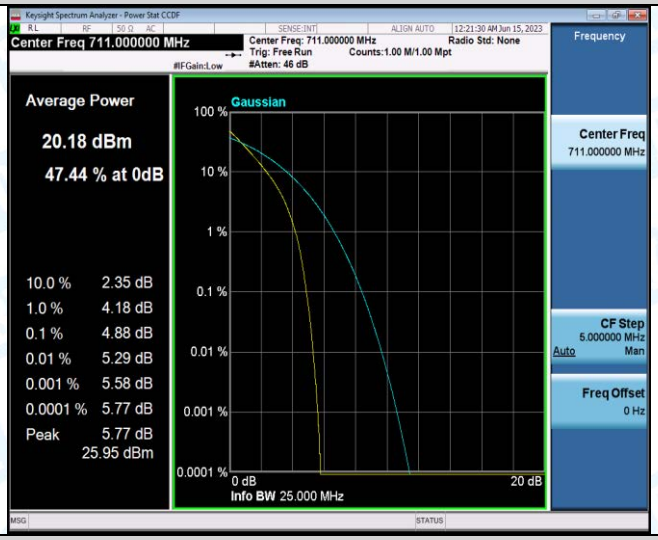
Band17-10MHz-QPSK-23790-50RB#0



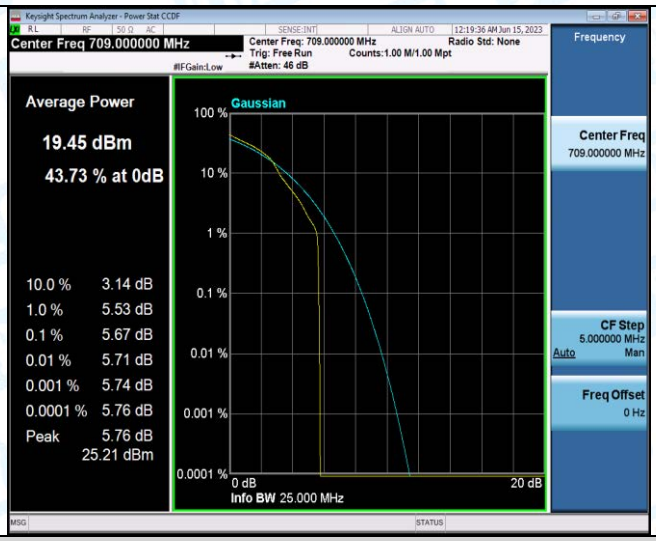
Band17-10MHz-QPSK-23800-1RB#0



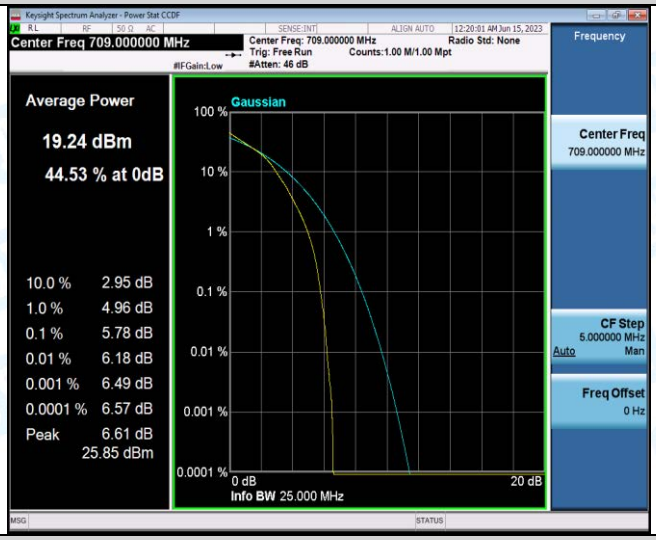
Band17-10MHz-QPSK-23800-50RB#0



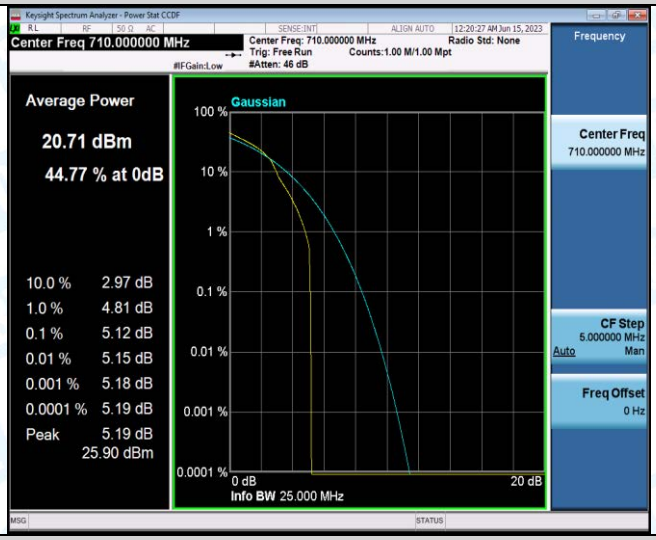
Band17-10MHz-16QAM-23780-1RB#0



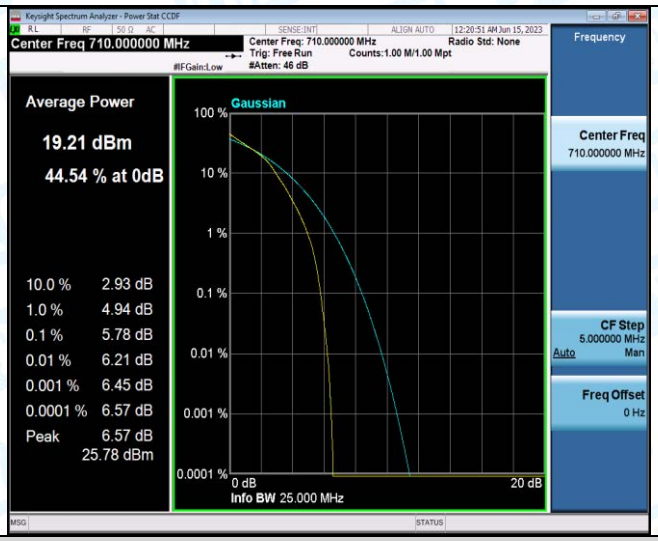
Band17-10MHz-16QAM-23780-50RB#0



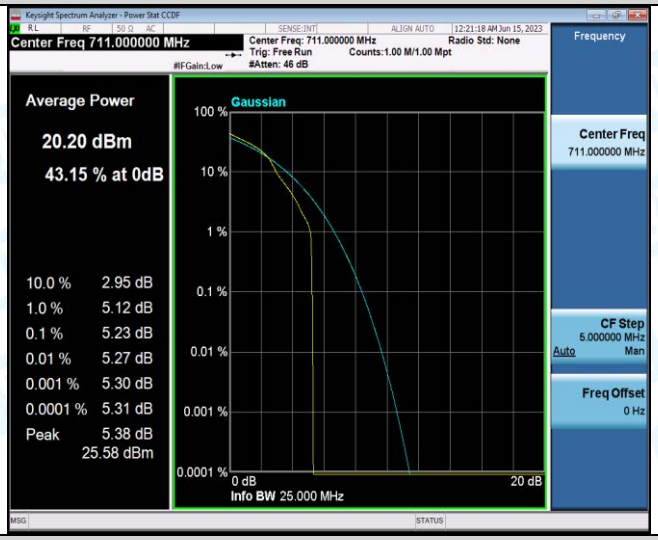
Band17-10MHz-16QAM-23790-1RB#0



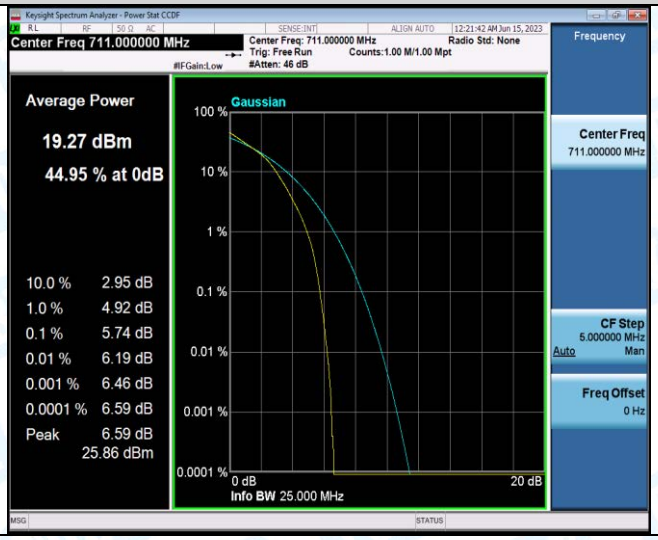
Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-1RB#0



Band17-10MHz-16QAM-23800-50RB#0



3. 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5158	5.023	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4964	4.994	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5033	4.999	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5010	4.993	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5162	5.048	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4958	4.985	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9743	9.925	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9729	9.903	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9673	9.960	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9636	9.855	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9680	9.913	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9564	9.849	PASS

Test Graphs

Band17-5MHz-QPSK-23755-25RB#0

Band17-5MHz-QPSK-23790-25RB#0

Band17-5MHz-QPSK-23825-25RB#0

Band17-5MHz-16QAM-23755-25RB#0

Band17-5MHz-16QAM-23790-25RB#0

Band17-5MHz-16QAM-23825-25RB#0

Band17-10MHz-QPSK-23780-50RB#0

Band17-10MHz-QPSK-23790-50RB#0

Band17-10MHz-QPSK-23800-50RB#0

Band17-10MHz-16QAM-23780-50RB#0

Band17-10MHz-16QAM-23790-50RB#0

Band17-10MHz-16QAM-23800-50RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 711.000000 MHz
Center Freq: 711.000000 MHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
12:15:20 AM Jun 15, 2023
Frequency
10 dB/div
Ref 30.00 dBm
Center Freq
711.000000 MHz
Center 711 MHz
#Res BW 200 kHz
#VBW 620 kHz
Span 20 MHz
#Sweep 100 ms
CF Step
2.000000 MHz
Auto
Man
Occupied Bandwidth
8.9564 MHz
Total Power 28.3 dBm
Transmit Freq Error -2.287 kHz
% of OBW Power 99.00 %
x dB Bandwidth 9.849 MHz
x dB -26.00 dB
Freq Offset
0 Hz

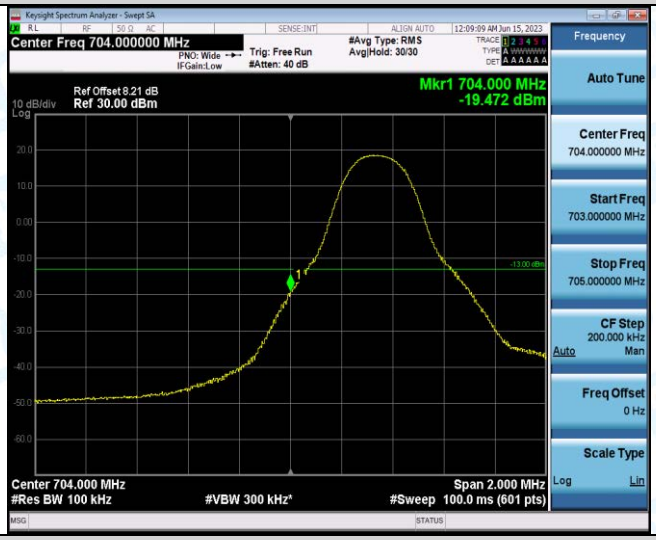
4. Band Edge

Test Result

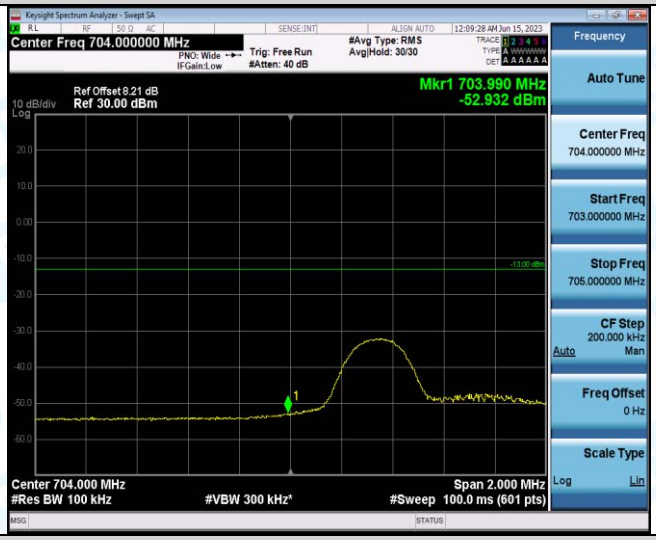
Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-19.47	PASS
Band17	5MHz	QPSK	23755	1RB#24	-52.93	PASS
Band17	5MHz	QPSK	23755	25RB#0	-27.59	PASS
Band17	5MHz	QPSK	23825	1RB#0	-53.03	PASS
Band17	5MHz	QPSK	23825	1RB#24	-18.51	PASS
Band17	5MHz	QPSK	23825	25RB#0	-28.21	PASS
Band17	5MHz	16QAM	23755	1RB#0	-20.54	PASS
Band17	5MHz	16QAM	23755	1RB#24	-53.23	PASS
Band17	5MHz	16QAM	23755	25RB#0	-28.31	PASS
Band17	5MHz	16QAM	23825	1RB#0	-53.26	PASS
Band17	5MHz	16QAM	23825	1RB#24	-19.98	PASS
Band17	5MHz	16QAM	23825	25RB#0	-29.07	PASS
Band17	10MHz	QPSK	23780	1RB#0	-35.42,-27.89	PASS
Band17	10MHz	QPSK	23780	1RB#49	-50.01,-49.21	PASS
Band17	10MHz	QPSK	23780	50RB#0	-32.47,-30.34	PASS
Band17	10MHz	QPSK	23800	1RB#0	-49.28,-50.17	PASS
Band17	10MHz	QPSK	23800	1RB#49	-27.82,-35.42	PASS
Band17	10MHz	QPSK	23800	50RB#0	-31.89,-34.51	PASS
Band17	10MHz	16QAM	23780	1RB#0	-36.48,-28.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	-51.43,-51.45	PASS
Band17	10MHz	16QAM	23780	50RB#0	-35.91,-33.58	PASS
Band17	10MHz	16QAM	23800	1RB#0	-49.99,-50.52	PASS
Band17	10MHz	16QAM	23800	1RB#49	-27.40,-34.94	PASS
Band17	10MHz	16QAM	23800	50RB#0	-33.82,-35.62	PASS

Test Graphs

Band17-5MHz-QPSK-23755-1RB#0

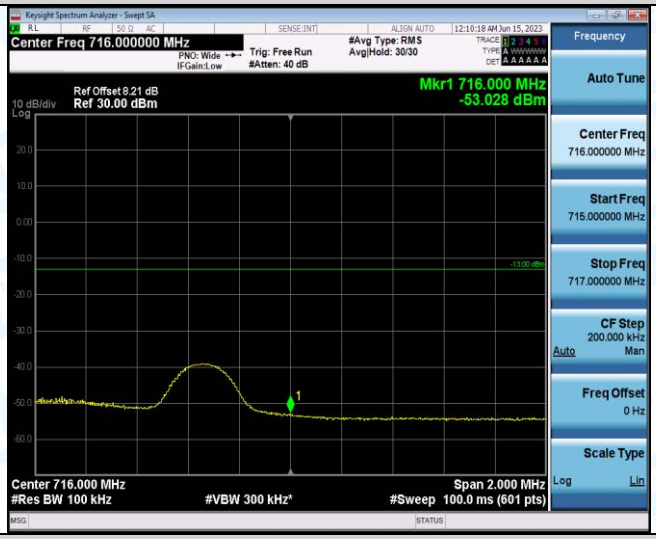


Band17-5MHz-QPSK-23755-1RB#24

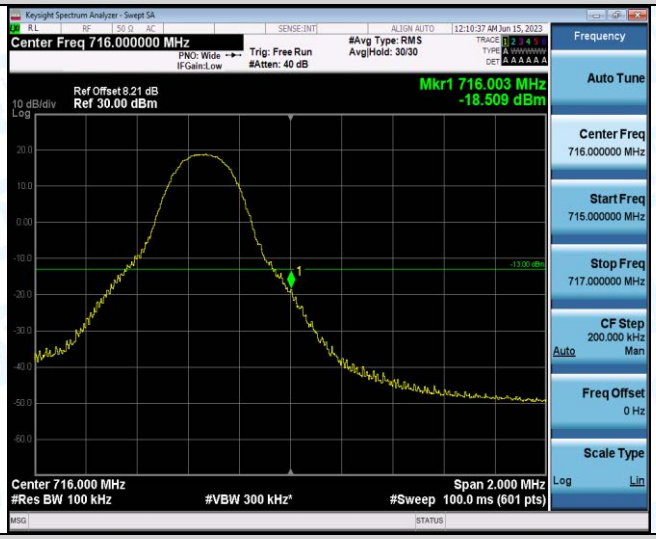


Band17-5MHz-QPSK-23755-25RB#0

Band17-5MHz-QPSK-23825-1RB#0

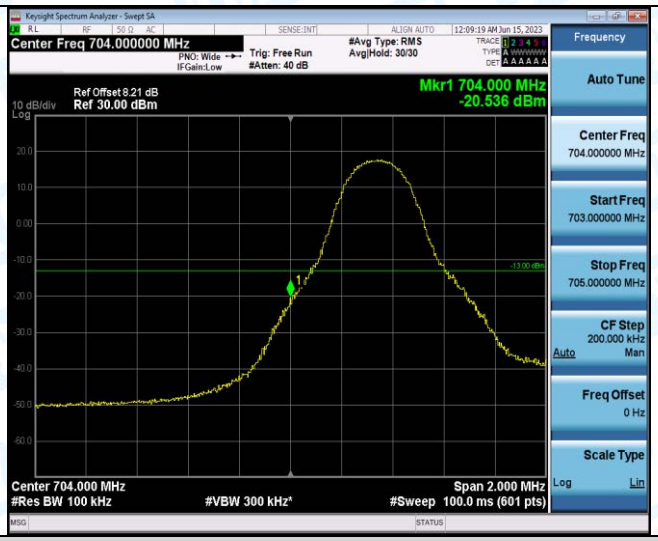


Band17-5MHz-QPSK-23825-1RB#24

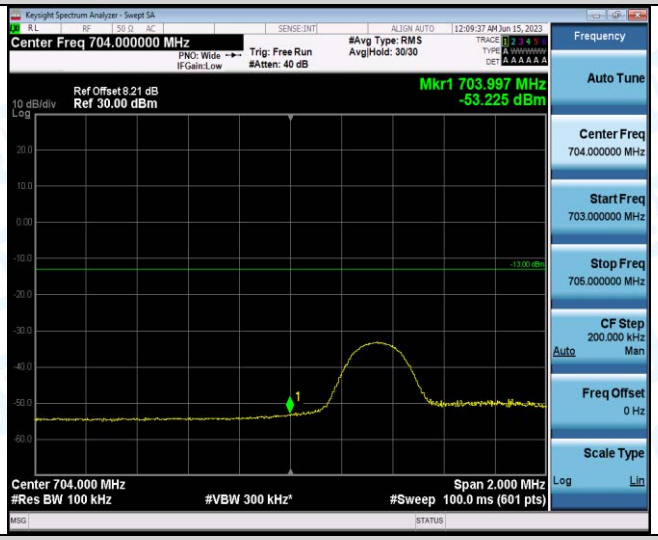


Band17-5MHz-QPSK-23825-25RB#0

Band17-5MHz-16QAM-23755-1RB#0



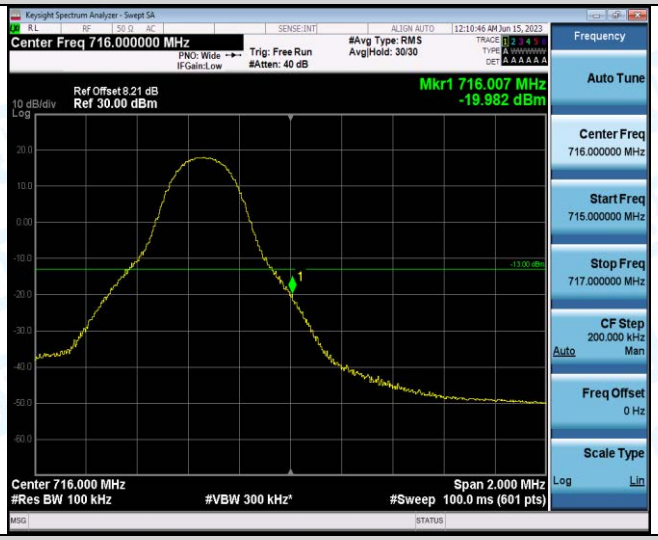
Band17-5MHz-16QAM-23755-1RB#24



Band17-5MHz-16QAM-23755-25RB#0

Band17-5MHz-16QAM-23825-1RB#0

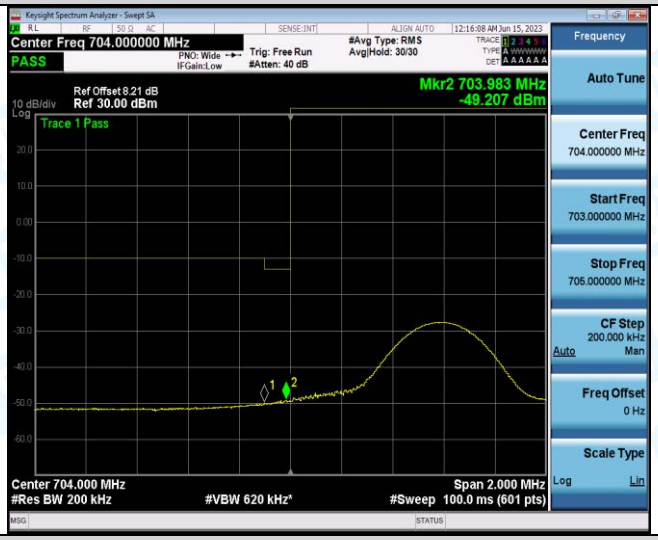
Band17-5MHz-16QAM-23825-1RB#24



Band17-5MHz-16QAM-23825-25RB#0

Band17-10MHz-QPSK-23780-1RB#0

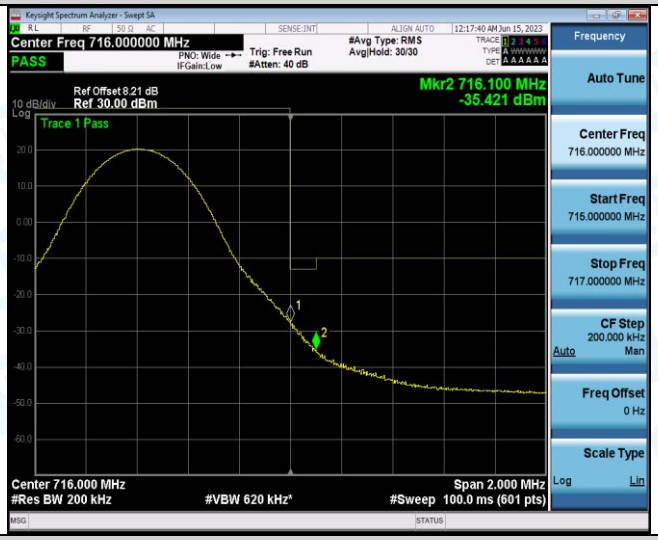
Band17-10MHz-QPSK-23780-1RB#49



Band17-10MHz-QPSK-23780-50RB#0

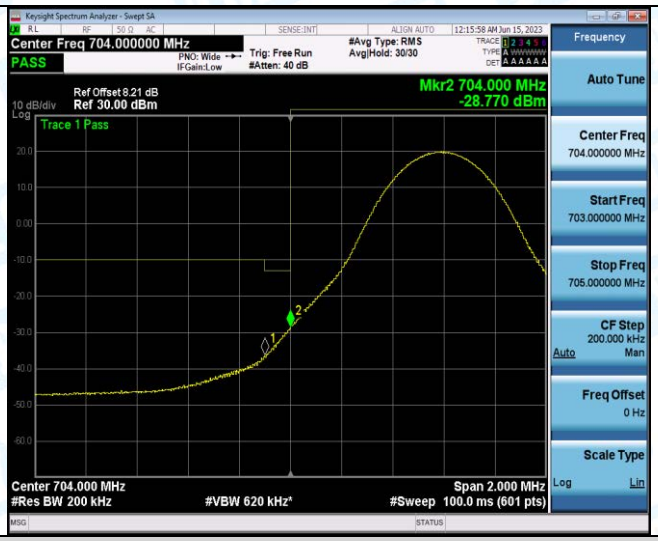
Band17-10MHz-QPSK-23800-1RB#0

Band17-10MHz-QPSK-23800-1RB#49



Band17-10MHz-QPSK-23800-50RB#0

Band17-10MHz-16QAM-23780-1RB#0

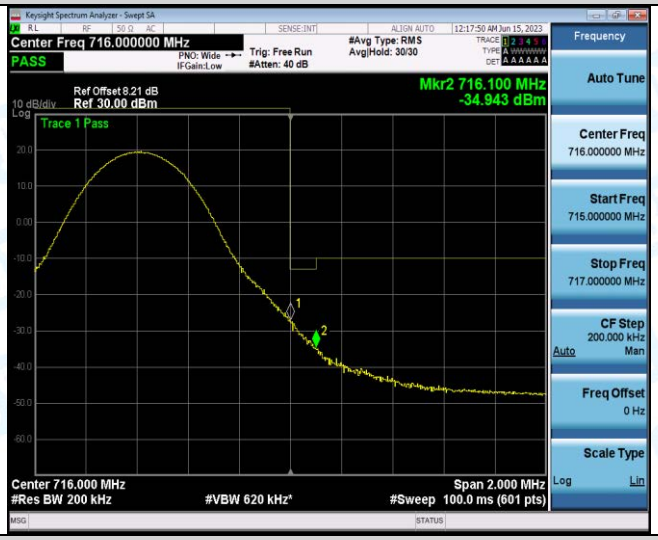


Band17-10MHz-16QAM-23780-1RB#49

Band17-10MHz-16QAM-23780-50RB#0

Band17-10MHz-16QAM-23800-1RB#0

Band17-10MHz-16QAM-23800-1RB#49



Band17-10MHz-16QAM-23800-50RB#0

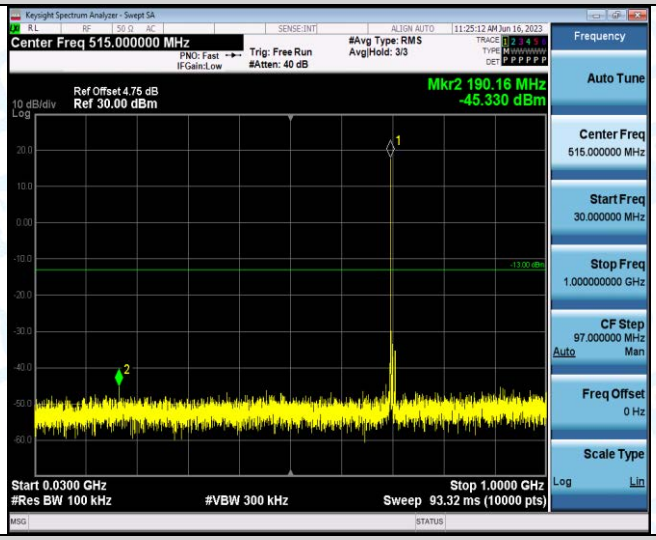
5. Conducted Spurious Emission

Test Result

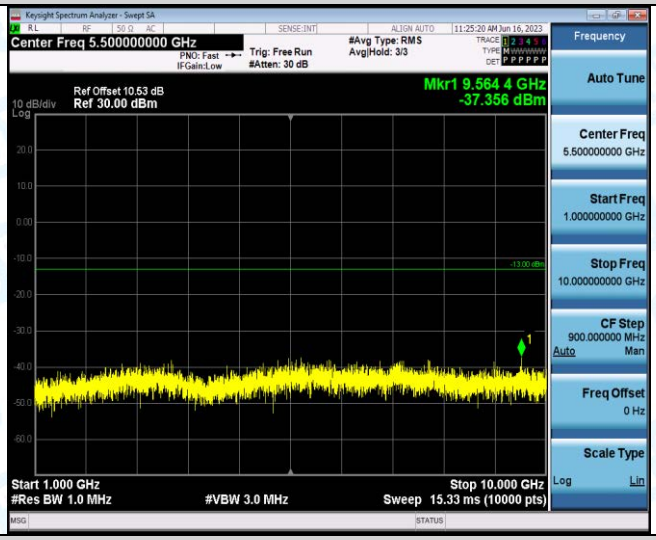
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-45.33	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-37.36	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-45.97	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-37.07	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-44.88	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-37.53	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-45.12	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-37.65	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-46.02	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-36.97	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-46.18	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-36.63	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-45.39	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-36.88	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-44.7	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-37.85	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-45.42	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-37.37	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-45.44	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-37.6	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-45.63	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-36.1	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-45.78	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-37.62	PASS

Test Graphs

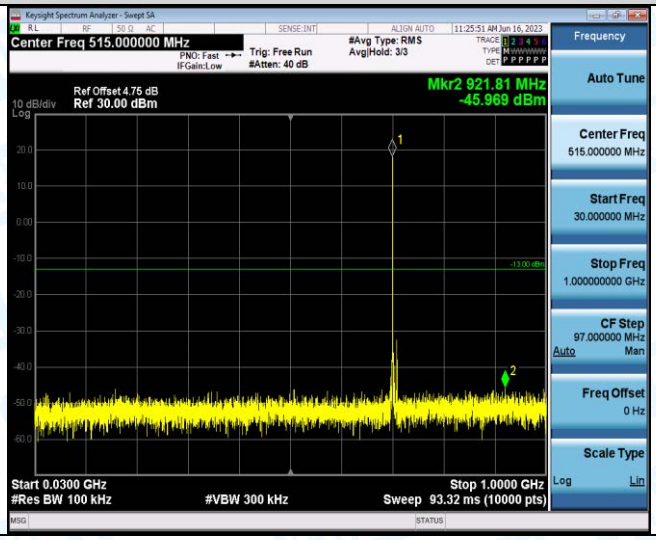
Band17-5MHz-QPSK-23755-1RB#0-Range1:30~1000MHz



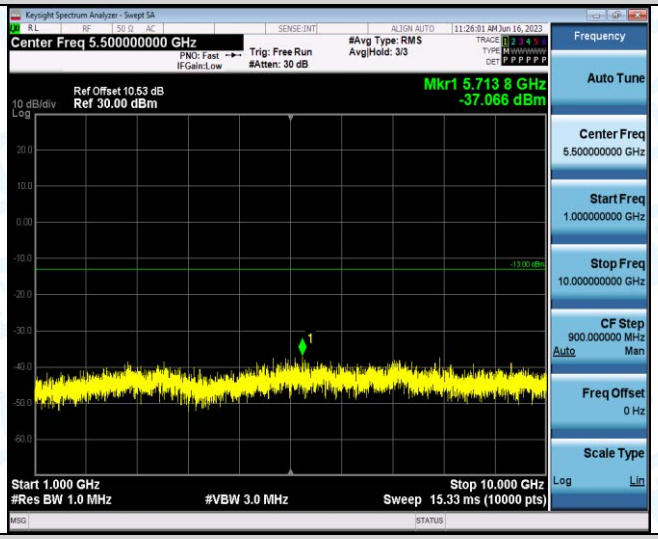
Band17-5MHz-QPSK-23755-1RB#0-Range2:1000~10000MHz



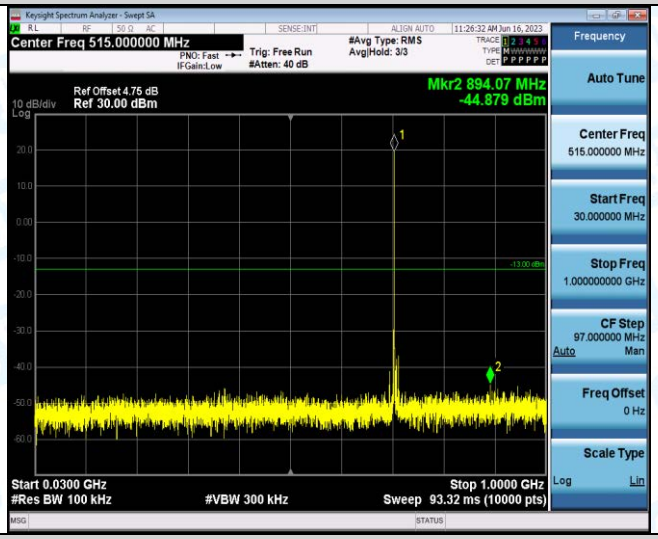
Band17-5MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



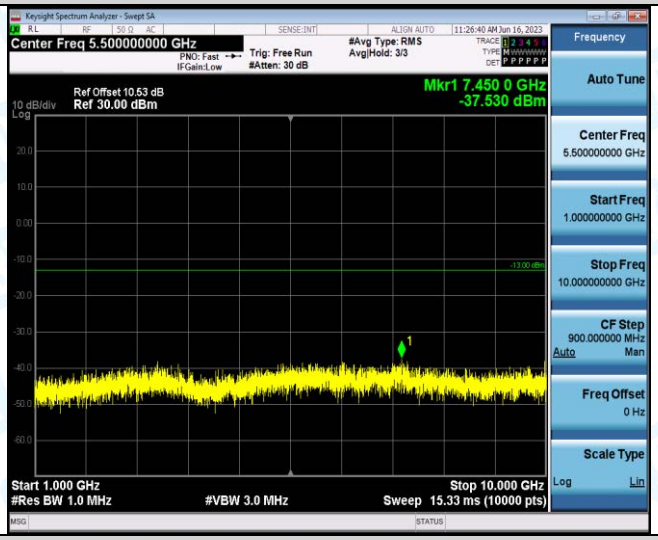
Band17-5MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



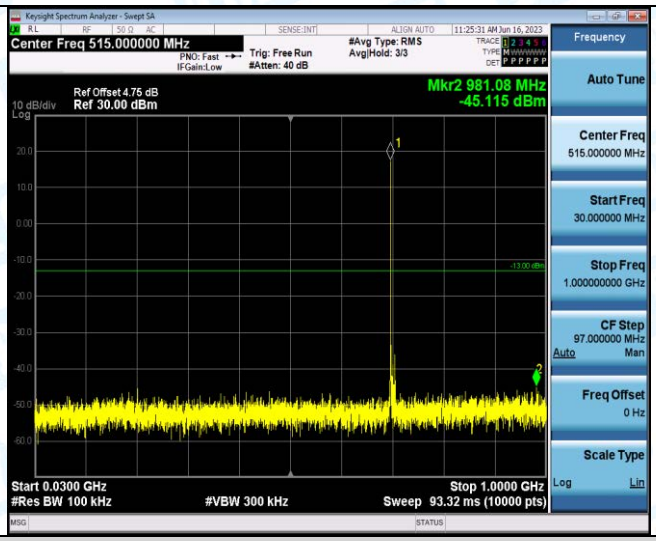
Band17-5MHz-QPSK-23825-1RB#0-Range1:30~1000MHz



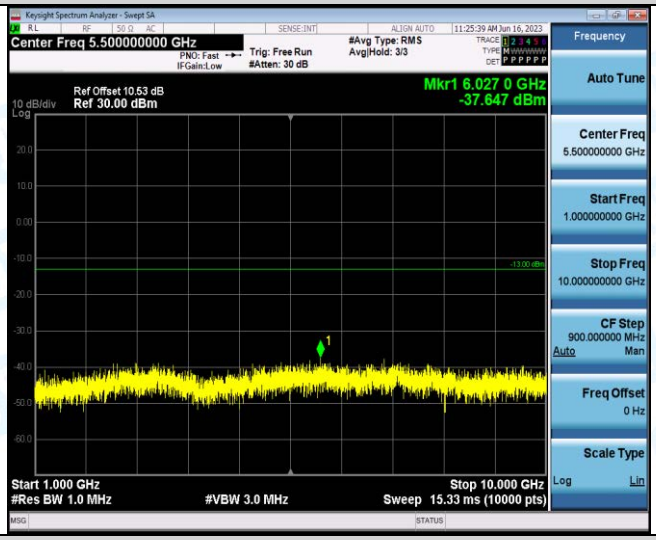
Band17-5MHz-QPSK-23825-1RB#0-Range2:1000~10000MHz



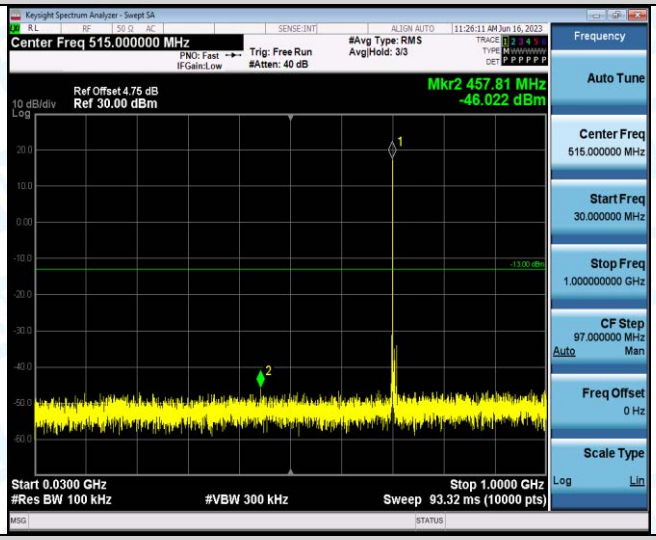
Band17-5MHz-16QAM-23755-1RB#0-Range1:30~1000MHz



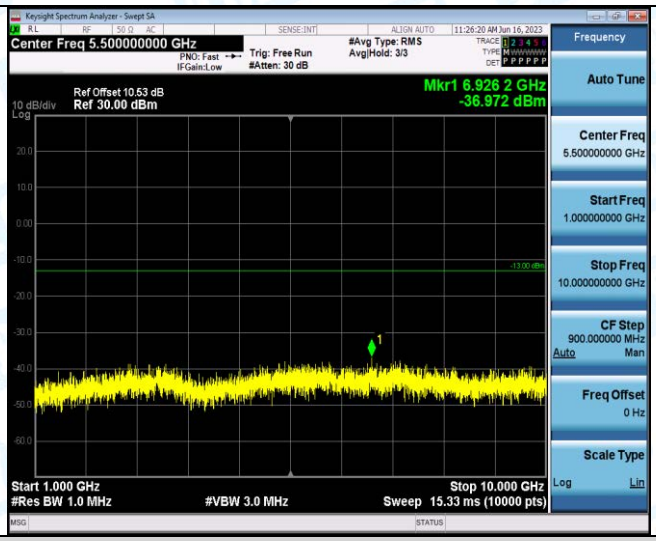
Band17-5MHz-16QAM-23755-1RB#0-Range2:1000~10000MHz



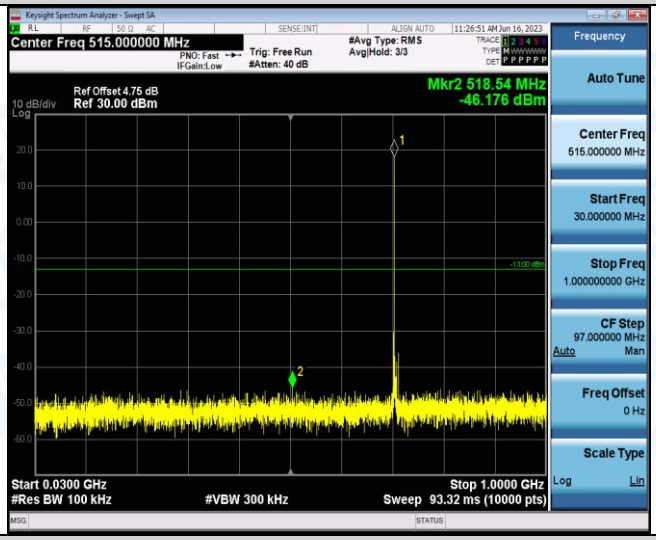
Band17-5MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



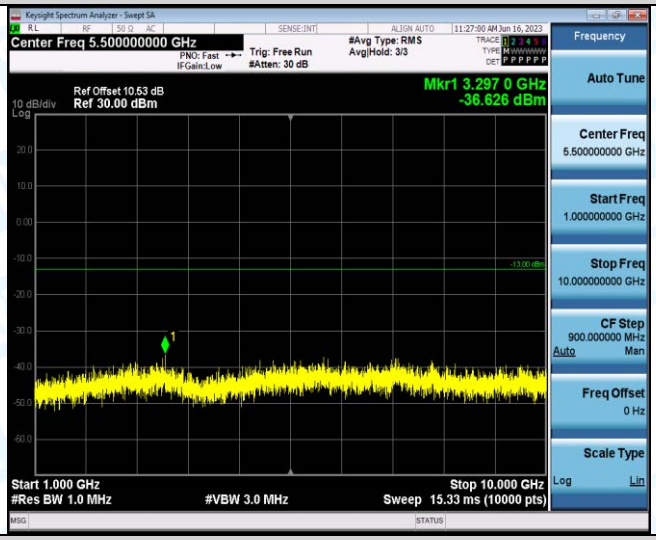
Band17-5MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



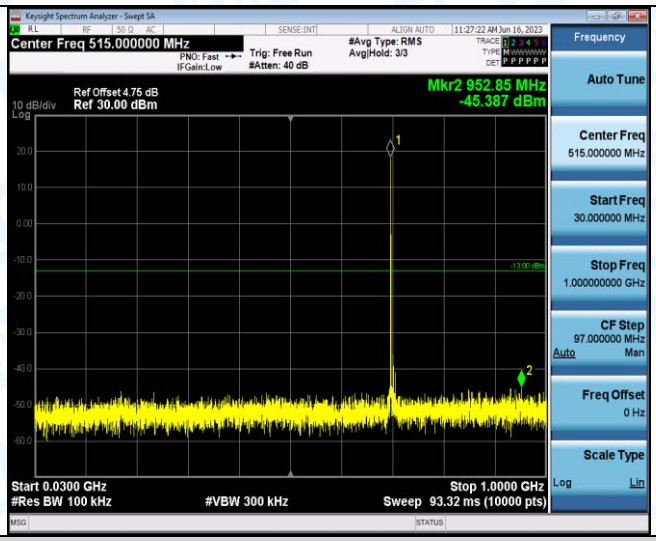
Band17-5MHz-16QAM-23825-1RB#0-Range1:30~1000MHz



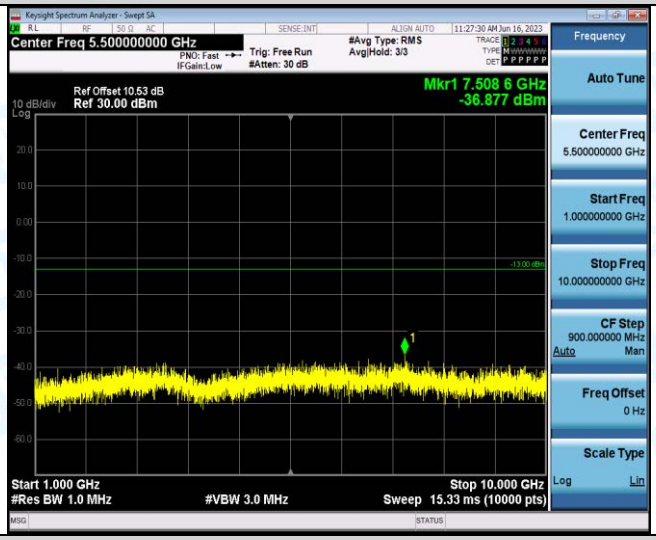
Band17-5MHz-16QAM-23825-1RB#0-Range2:1000~10000MHz



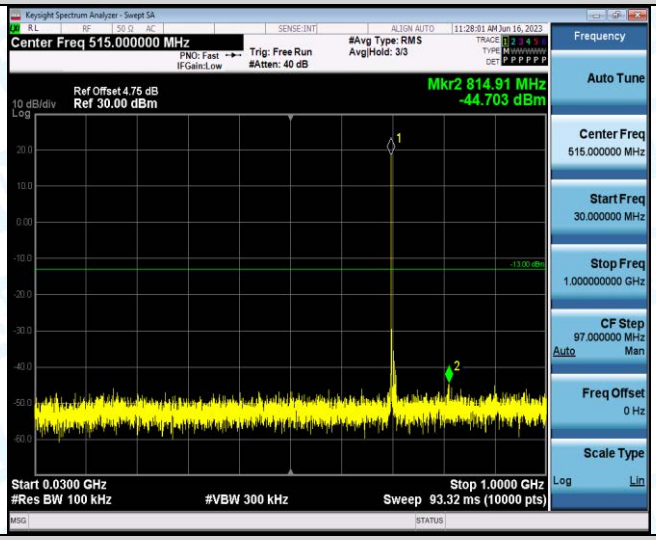
Band17-10MHz-QPSK-23780-1RB#0-Range1:30~1000MHz



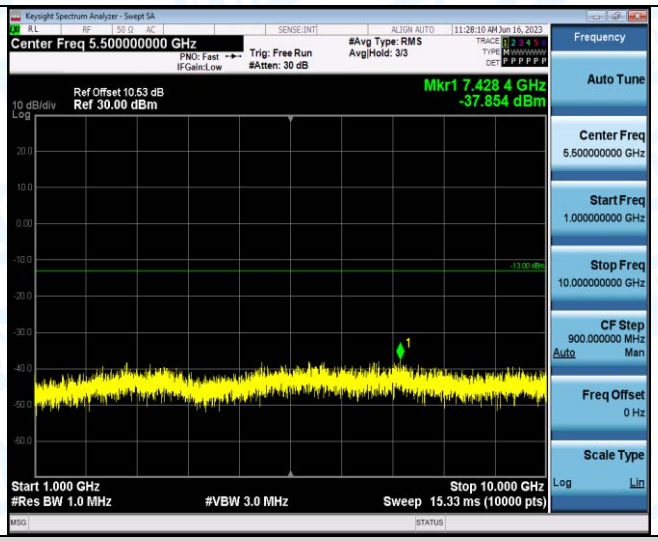
Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



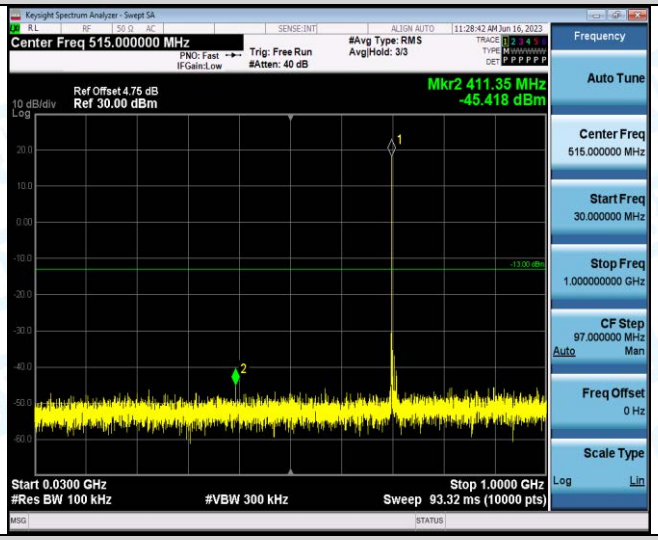
Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



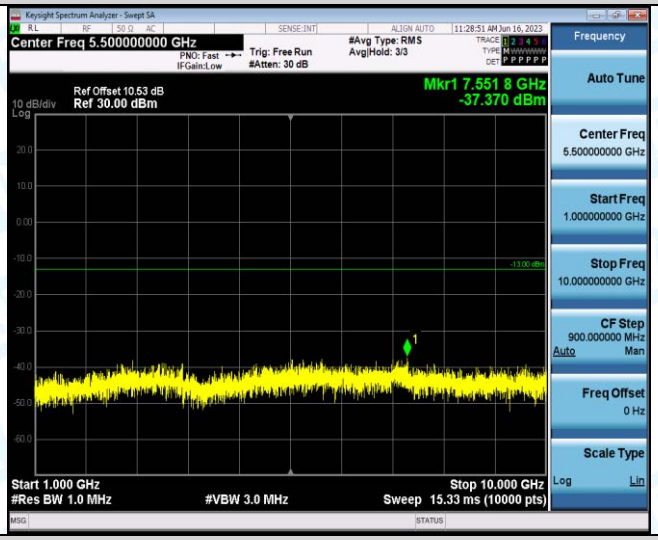
Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



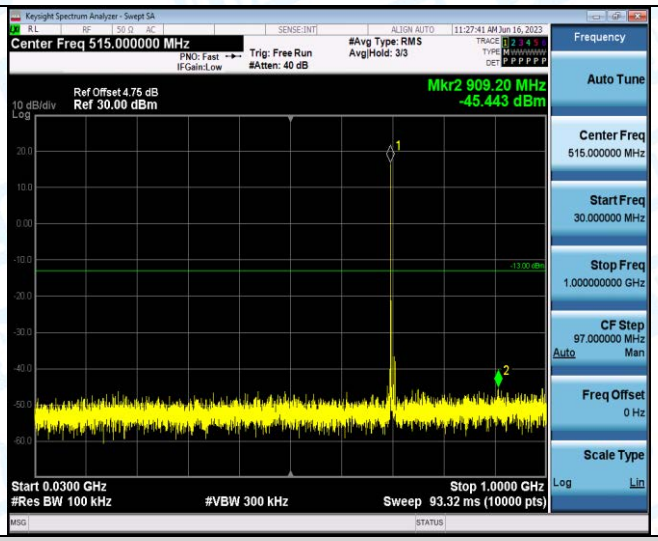
Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz



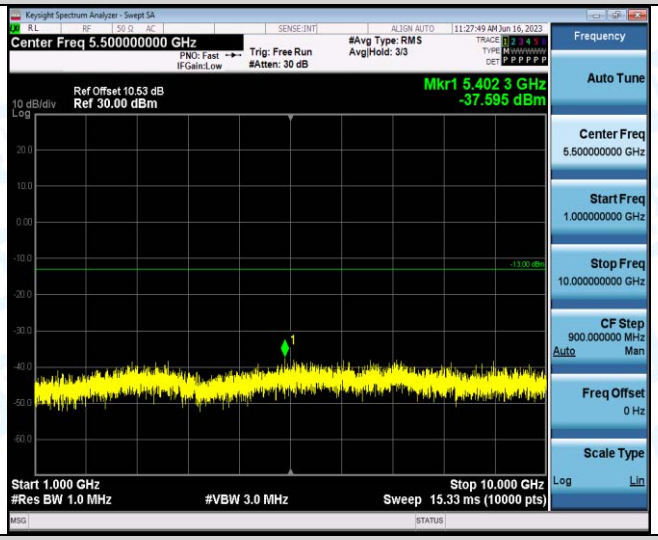
Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



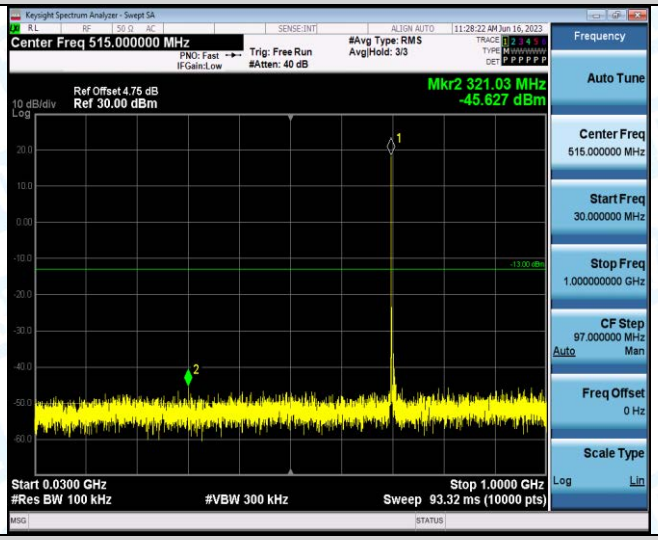
Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz



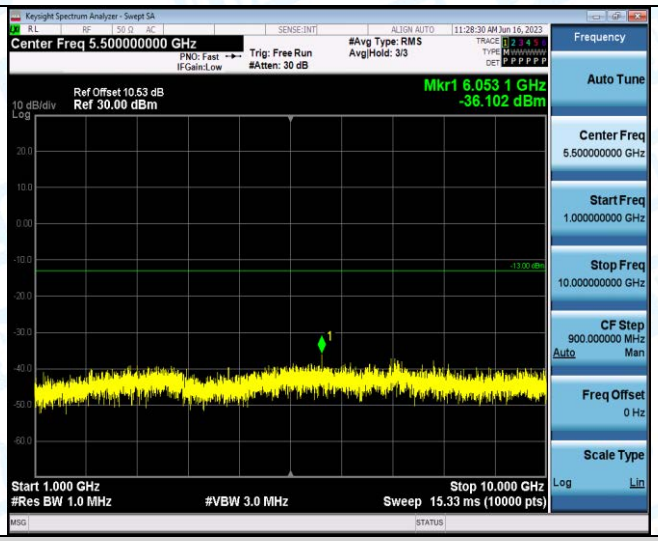
Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



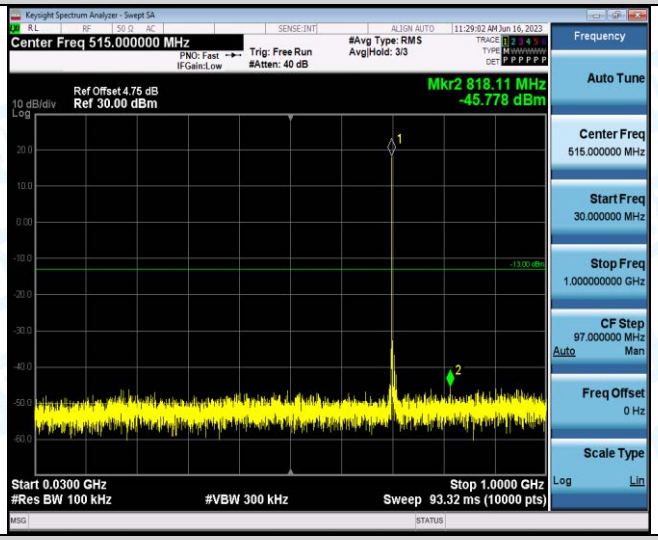
Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



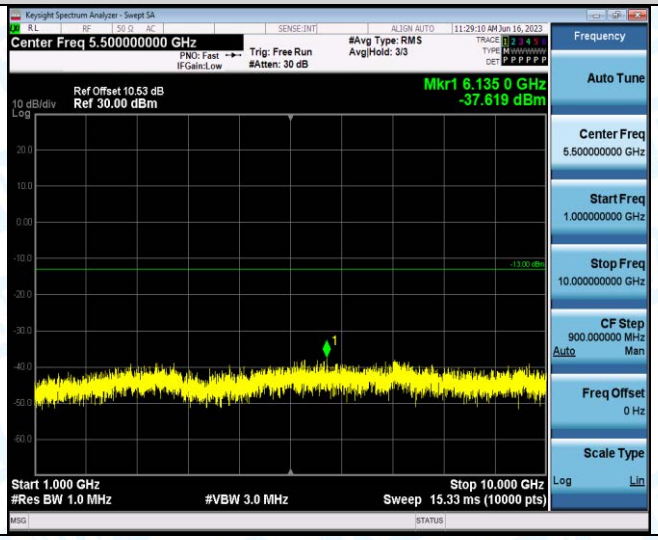
Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~10000MHz



6. Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-3.10	-0.004388	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-4.42	-0.006256	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-3.69	-0.005223	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	2.23	0.003141	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	2.68	0.003775	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	1.56	0.002197	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-3.58	-0.005018	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-3.20	-0.004485	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-2.83	-0.003966	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-3.69	-0.005223	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-3.71	-0.005251	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-4.53	-0.006412	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-1.92	-0.002704	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-1.75	-0.002465	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-2.40	-0.003380	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	3.32	0.004653	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-2.06	-0.002887	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	2.29	0.003210	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-3.28	-0.004626	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-3.32	-0.004683	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-2.92	-0.004118	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	2.15	0.003028	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-1.27	-0.001789	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-2.95	-0.004155	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-3.45	-0.004852	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-2.56	-0.003601	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-5.38	-0.007567	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	2.62	0.003695	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-1.75	-0.002468	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	1.27	0.001791	±2.5	PASS

Band17	10MHz	16QAM	23790	50RB#0	VL	NT	1.65	0.002324	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-1.96	-0.002761	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	2.12	0.002986	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-2.70	-0.003797	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-4.59	-0.006456	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-1.52	-0.002138	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	-2.60	-0.003680	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-3.23	-0.004572	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-4.98	-0.007049	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-3.09	-0.004374	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-3.18	-0.004501	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-4.35	-0.006157	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-3.79	-0.005364	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-4.31	-0.006100	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-4.43	-0.006270	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	1.24	0.001746	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	2.45	0.003451	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-2.62	-0.003690	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-2.26	-0.003183	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-2.19	-0.003085	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-1.46	-0.002056	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-2.98	-0.004197	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-1.95	-0.002746	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	2.53	0.003563	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-2.30	-0.003224	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-4.31	-0.006041	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-3.06	-0.004289	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-3.30	-0.004625	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-1.93	-0.002705	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-2.52	-0.003532	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-2.15	-0.003013	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-1.82	-0.002551	±2.5	PASS

Band17	5MHz	QPSK	23825	25RB#0	NV	50	-4.18	-0.005858	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-2.98	-0.004218	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-3.72	-0.005265	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-3.13	-0.004430	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-2.13	-0.003015	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-5.85	-0.008280	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-2.27	-0.003213	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-2.05	-0.002902	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-2.75	-0.003892	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-5.39	-0.007629	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	3.75	0.005282	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	1.72	0.002423	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-2.35	-0.003310	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-2.72	-0.003831	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-2.32	-0.003268	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-2.12	-0.002986	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-2.75	-0.003873	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-2.90	-0.004085	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-2.95	-0.004155	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-2.65	-0.003714	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	3.03	0.004247	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-2.73	-0.003826	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	1.90	0.002663	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-2.47	-0.003462	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-2.26	-0.003167	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-1.32	-0.001850	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	2.29	0.003210	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	4.29	0.006013	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-3.55	-0.005007	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-2.95	-0.004161	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-3.48	-0.004908	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-2.83	-0.003992	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-1.63	-0.002299	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-2.72	-0.003836	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	1.86	0.002623	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-4.15	-0.005853	±2.5	PASS

Band17	10MHz	QPSK	23780	50RB#0	NV	50	-2.69	-0.003794	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	2.13	0.003000	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-1.54	-0.002169	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	2.19	0.003085	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	0.90	0.001268	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-3.69	-0.005197	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-2.50	-0.003521	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-1.63	-0.002296	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	2.40	0.003380	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-2.65	-0.003732	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-3.83	-0.005387	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-5.11	-0.007187	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-4.68	-0.006582	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-2.30	-0.003235	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-4.12	-0.005795	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-4.35	-0.006118	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-4.75	-0.006681	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-3.83	-0.005387	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-2.79	-0.003924	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-2.89	-0.004076	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-1.73	-0.002440	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-1.99	-0.002807	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	2.36	0.003329	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	1.32	0.001862	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-3.35	-0.004725	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-2.26	-0.003188	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-3.73	-0.005261	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-2.27	-0.003202	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-1.50	-0.002113	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	1.66	0.002338	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	2.70	0.003803	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-1.59	-0.002239	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	1.75	0.002465	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	1.65	0.002324	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	1.96	0.002761	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	3.39	0.004775	±2.5	PASS

Band17	10MHz	16QAM	23790	50RB#0	NV	50	2.79	0.003930	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-5.28	-0.007426	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-3.19	-0.004487	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-3.20	-0.004501	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-4.48	-0.006301	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-4.49	-0.006315	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-2.90	-0.004079	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-4.23	-0.005949	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-5.76	-0.008101	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-2.45	-0.003446	±2.5	PASS

----END OF THE REPORT-----