Band4-5MHz-16QAM-19975-25RB#0

Band4-5MHz-16QAM-20175-25RB#0

Band4-5MHz-16QAM-20375-25RB#0

Band4-10MHz-QPSK-20000-50RB#0

Band4-10MHz-QPSK-20175-50RB#0

Band4-10MHz-QPSK-20350-50RB#0

Band4-10MHz-16QAM-20000-50RB#0

Band4-10MHz-16QAM-20175-50RB#0

Band4-10MHz-16QAM-20350-50RB#0

Band4-15MHz-QPSK-20025-75RB#0

Band4-15MHz-QPSK-20175-75RB#0

Band4-15MHz-QPSK-20325-75RB#0

Band4-15MHz-16QAM-20025-75RB#0

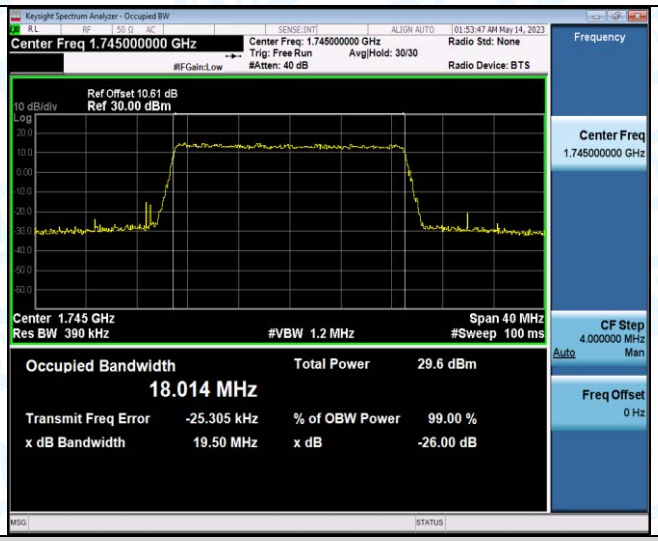
Band4-15MHz-16QAM-20175-75RB#0

Band4-15MHz-16QAM-20325-75RB#0

Band4-20MHz-QPSK-20050-100RB#0

Band4-20MHz-QPSK-20175-100RB#0

Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-100RB#0

Band4-20MHz-16QAM-20175-100RB#0

Band4-20MHz-16QAM-20300-100RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
01:53:56 AM May 14, 2023
Frequency
Ref Offset 10.61 dB
10 dB/div
Ref 30.00 dBm
Center Freq
1.745000000 GHz
Center 1.745 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.963 MHz
Total Power 28.7 dBm
Transmit Freq Error -11.754 kHz
% of OBW Power 99.00 %
x dB Bandwidth 19.42 MHz
x dB -26.00 dB
Freq Offset
0 Hz

4. Band Edge

Test Result

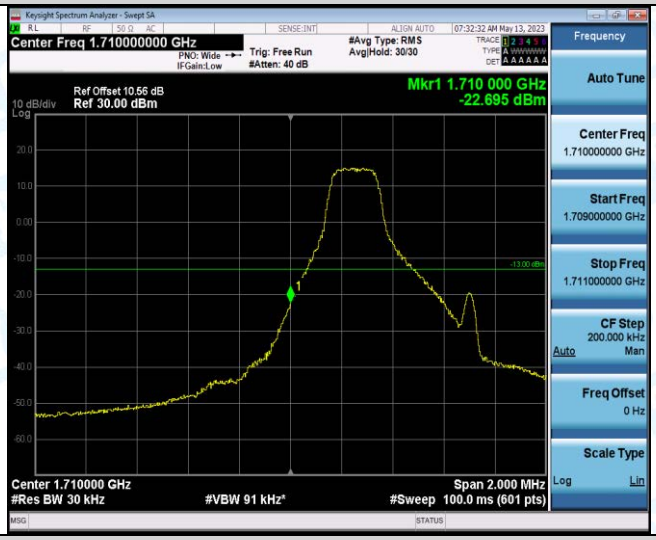
Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-22.69	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-33.94	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-30.40	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-33.34	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-24.61	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-32.17	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-23.51	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-35.43	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-31.14	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-35.27	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-24.65	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-32.96	PASS
Band4	3MHz	QPSK	19965	1RB#0	-21.04	PASS
Band4	3MHz	QPSK	19965	1RB#14	-48.65	PASS
Band4	3MHz	QPSK	19965	15RB#0	-30.66	PASS
Band4	3MHz	QPSK	20385	1RB#0	-48.87	PASS
Band4	3MHz	QPSK	20385	1RB#14	-21.86	PASS
Band4	3MHz	QPSK	20385	15RB#0	-33.41	PASS
Band4	3MHz	16QAM	19965	1RB#0	-20.90	PASS
Band4	3MHz	16QAM	19965	1RB#14	-48.64	PASS
Band4	3MHz	16QAM	19965	15RB#0	-32.70	PASS
Band4	3MHz	16QAM	20385	1RB#0	-49.22	PASS
Band4	3MHz	16QAM	20385	1RB#14	-22.74	PASS
Band4	3MHz	16QAM	20385	15RB#0	-35.17	PASS
Band4	5MHz	QPSK	19975	1RB#0	-18.07	PASS
Band4	5MHz	QPSK	19975	1RB#24	-46.21	PASS
Band4	5MHz	QPSK	19975	25RB#0	-29.69	PASS
Band4	5MHz	QPSK	20375	1RB#0	-47.31	PASS
Band4	5MHz	QPSK	20375	1RB#24	-18.27	PASS
Band4	5MHz	QPSK	20375	25RB#0	-31.38	PASS
Band4	5MHz	16QAM	19975	1RB#0	-17.60	PASS
Band4	5MHz	16QAM	19975	1RB#24	-46.88	PASS
Band4	5MHz	16QAM	19975	25RB#0	-31.16	PASS

Band4	5MHz	16QAM	20375	1RB#0	-47.32	PASS
Band4	5MHz	16QAM	20375	1RB#24	-19.30	PASS
Band4	5MHz	16QAM	20375	25RB#0	-32.78	PASS
Band4	10MHz	QPSK	20000	1RB#0	-19.83	PASS
Band4	10MHz	QPSK	20000	1RB#49	-45.13	PASS
Band4	10MHz	QPSK	20000	50RB#0	-32.32	PASS
Band4	10MHz	QPSK	20350	1RB#0	-45.67	PASS
Band4	10MHz	QPSK	20350	1RB#49	-20.57	PASS
Band4	10MHz	QPSK	20350	50RB#0	-34.64	PASS
Band4	10MHz	16QAM	20000	1RB#0	-20.63	PASS
Band4	10MHz	16QAM	20000	1RB#49	-45.27	PASS
Band4	10MHz	16QAM	20000	50RB#0	-34.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	-45.75	PASS
Band4	10MHz	16QAM	20350	1RB#49	-20.99	PASS
Band4	10MHz	16QAM	20350	50RB#0	-35.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	-20.08	PASS
Band4	15MHz	QPSK	20025	1RB#74	-44.32	PASS
Band4	15MHz	QPSK	20025	75RB#0	-33.50	PASS
Band4	15MHz	QPSK	20325	1RB#0	-44.70	PASS
Band4	15MHz	QPSK	20325	1RB#74	-21.98	PASS
Band4	15MHz	QPSK	20325	75RB#0	-34.73	PASS
Band4	15MHz	16QAM	20025	1RB#0	-20.82	PASS
Band4	15MHz	16QAM	20025	1RB#74	-44.45	PASS
Band4	15MHz	16QAM	20025	75RB#0	-34.70	PASS
Band4	15MHz	16QAM	20325	1RB#0	-44.74	PASS
Band4	15MHz	16QAM	20325	1RB#74	-22.94	PASS
Band4	15MHz	16QAM	20325	75RB#0	-35.97	PASS
Band4	20MHz	QPSK	20050	1RB#0	-23.24	PASS
Band4	20MHz	QPSK	20050	1RB#99	-43.50	PASS
Band4	20MHz	QPSK	20050	100RB#0	-35.23	PASS
Band4	20MHz	QPSK	20300	1RB#0	-43.86	PASS
Band4	20MHz	QPSK	20300	1RB#99	-24.08	PASS
Band4	20MHz	QPSK	20300	100RB#0	-36.18	PASS
Band4	20MHz	16QAM	20050	1RB#0	-23.22	PASS
Band4	20MHz	16QAM	20050	1RB#99	-43.50	PASS
Band4	20MHz	16QAM	20050	100RB#0	-36.24	PASS
Band4	20MHz	16QAM	20300	1RB#0	-43.86	PASS

Band4	20MHz	16QAM	20300	1RB#99	-24.06	PASS
Band4	20MHz	16QAM	20300	100RB#0	-36.82	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0

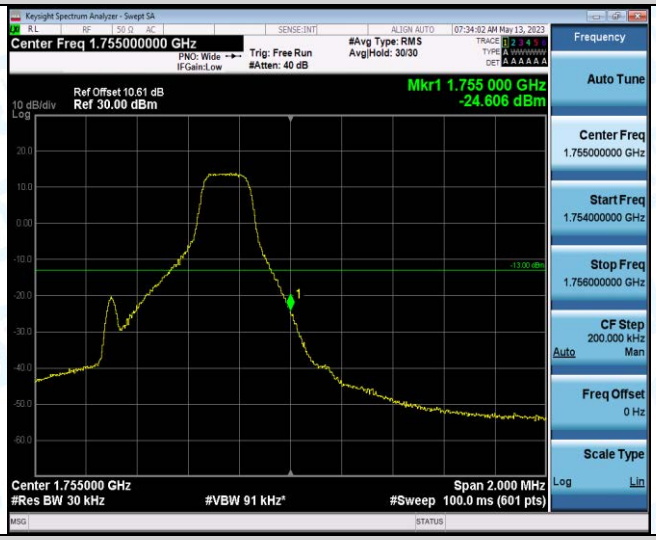


Band4-1.4MHz-QPSK-19957-1RB#5

Band4-1.4MHz-QPSK-19957-6RB#0

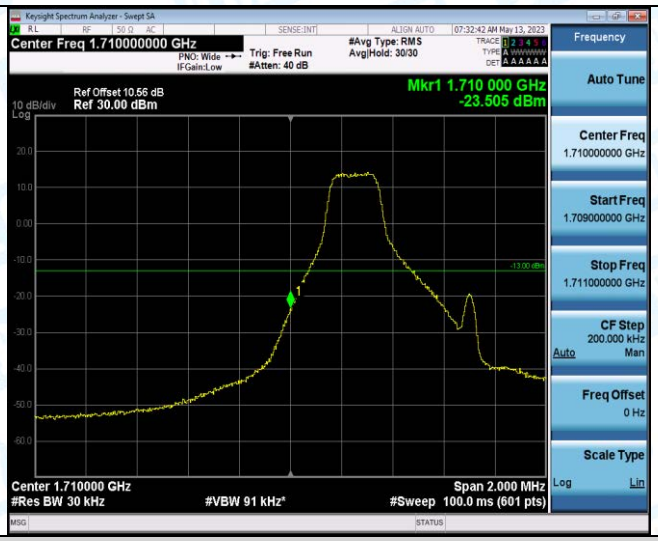
Band4-1.4MHz-QPSK-20393-1RB#0

Band4-1.4MHz-QPSK-20393-1RB#5



Band4-1.4MHz-QPSK-20393-6RB#0

Band4-1.4MHz-16QAM-19957-1RB#0

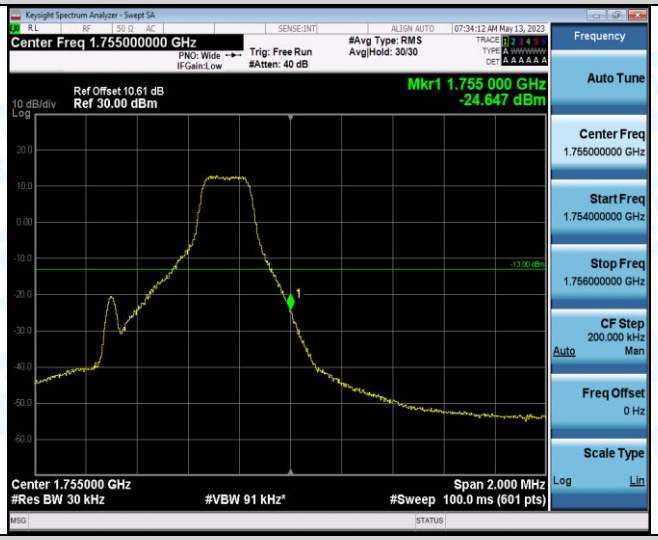


Band4-1.4MHz-16QAM-19957-1RB#5

Band4-1.4MHz-16QAM-19957-6RB#0

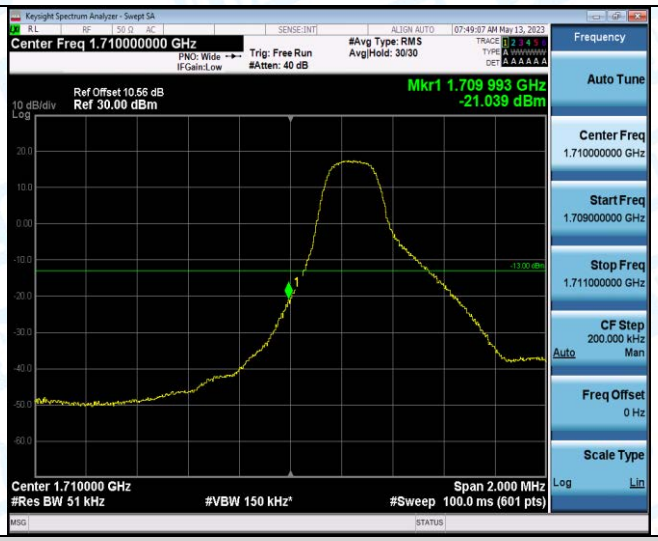
Band4-1.4MHz-16QAM-20393-1RB#0

Band4-1.4MHz-16QAM-20393-1RB#5



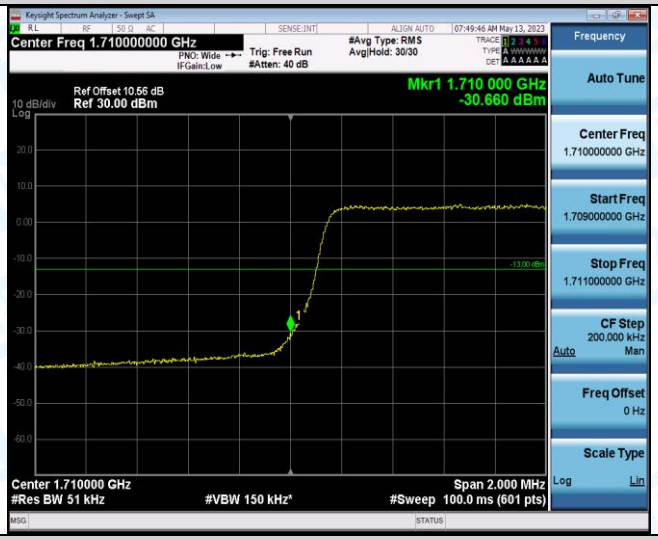
Band4-1.4MHz-16QAM-20393-6RB#0

Band4-3MHz-QPSK-19965-1RB#0



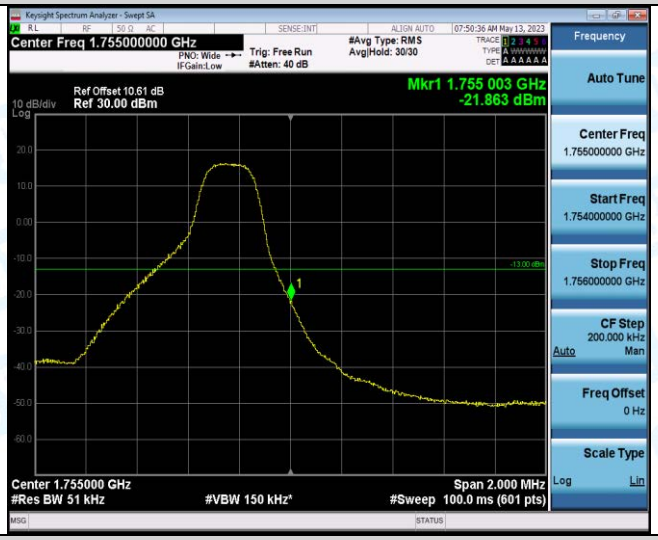
Band4-3MHz-QPSK-19965-1RB#14

Band4-3MHz-QPSK-19965-15RB#0



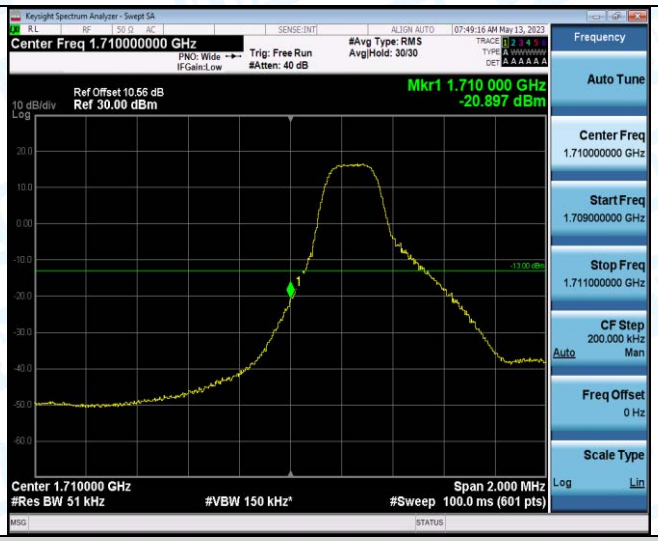
Band4-3MHz-QPSK-20385-1RB#0

Band4-3MHz-QPSK-20385-1RB#14



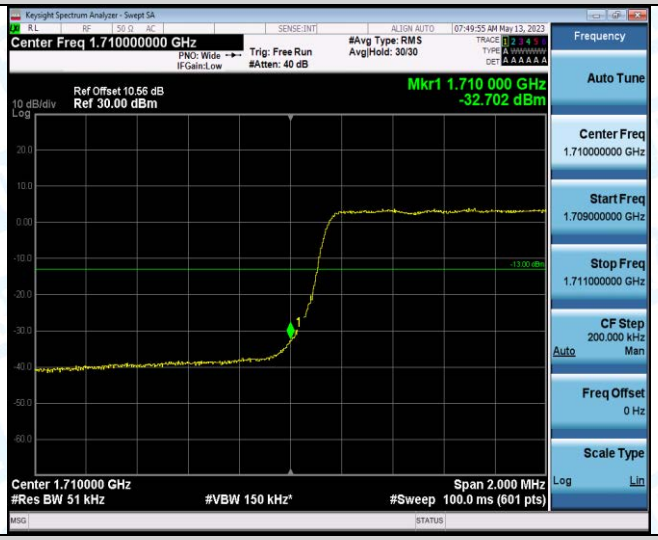
Band4-3MHz-QPSK-20385-15RB#0

Band4-3MHz-16QAM-19965-1RB#0



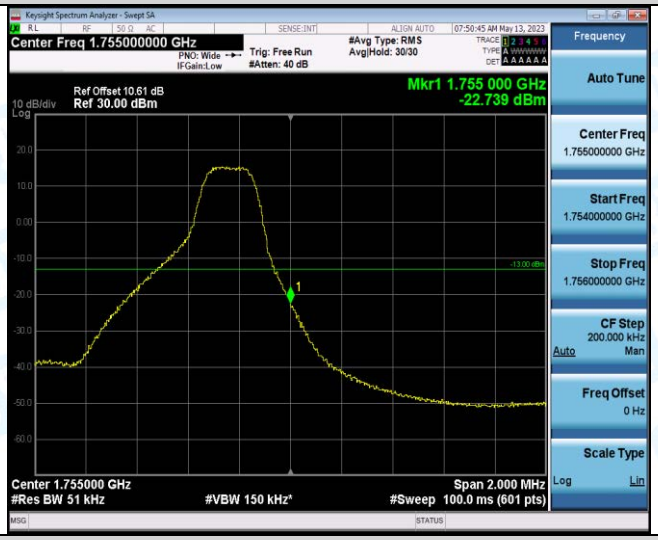
Band4-3MHz-16QAM-19965-1RB#14

Band4-3MHz-16QAM-19965-15RB#0



Band4-3MHz-16QAM-20385-1RB#0

Band4-3MHz-16QAM-20385-1RB#14



Band4-3MHz-16QAM-20385-15RB#0

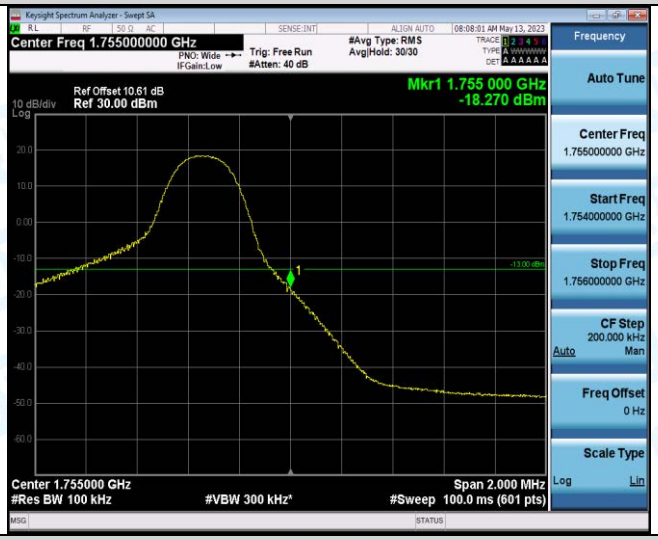
Band4-5MHz-QPSK-19975-1RB#0

Band4-5MHz-QPSK-19975-1RB#24

Band4-5MHz-QPSK-19975-25RB#0

Band4-5MHz-QPSK-20375-1RB#0

Band4-5MHz-QPSK-20375-1RB#24



Band4-5MHz-QPSK-20375-25RB#0

Band4-5MHz-16QAM-19975-1RB#0

Band4-5MHz-16QAM-19975-1RB#24

Band4-5MHz-16QAM-19975-25RB#0

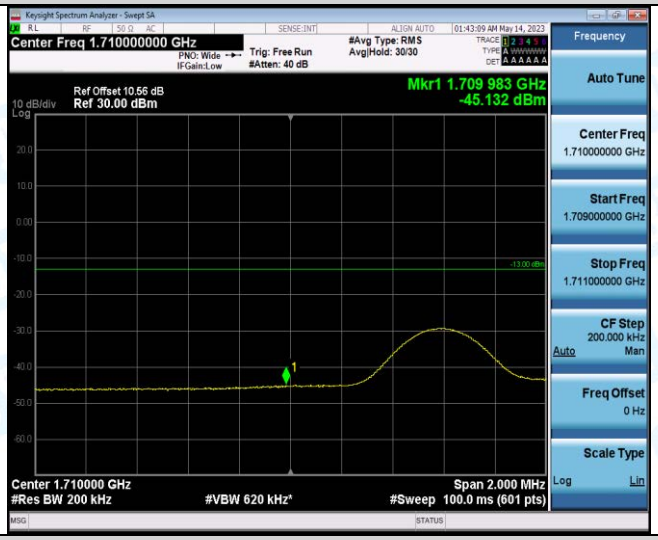
Band4-5MHz-16QAM-20375-1RB#0

Band4-5MHz-16QAM-20375-1RB#24

Band4-5MHz-16QAM-20375-25RB#0

Band4-10MHz-QPSK-20000-1RB#0

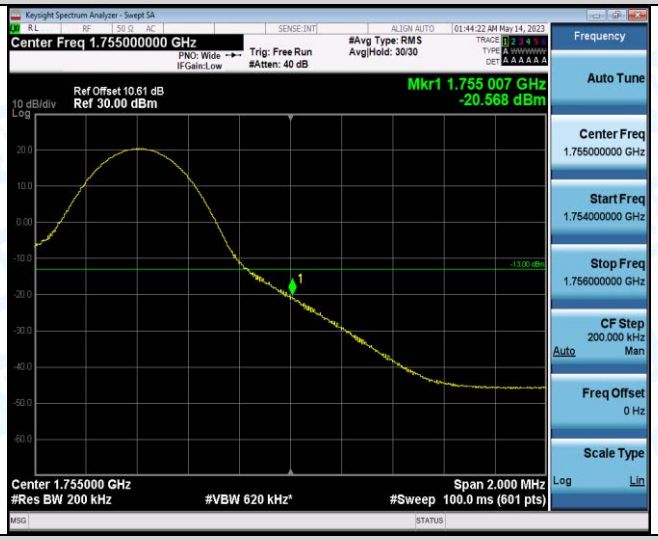
Band4-10MHz-QPSK-20000-1RB#49



Band4-10MHz-QPSK-20000-50RB#0

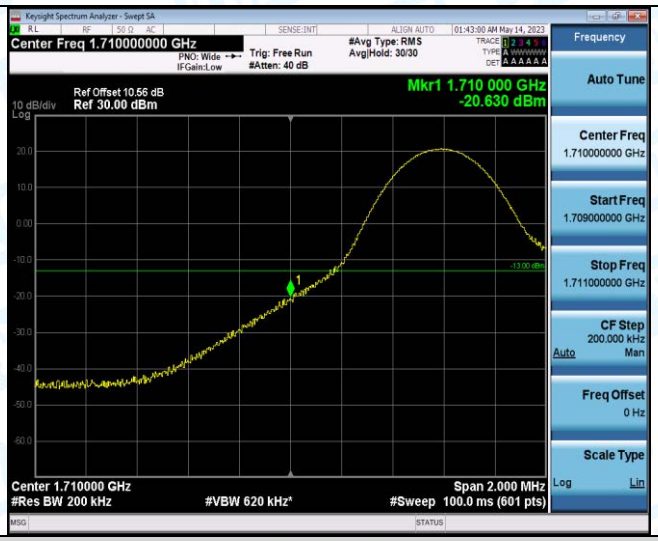
Band4-10MHz-QPSK-20350-1RB#0

Band4-10MHz-QPSK-20350-1RB#49

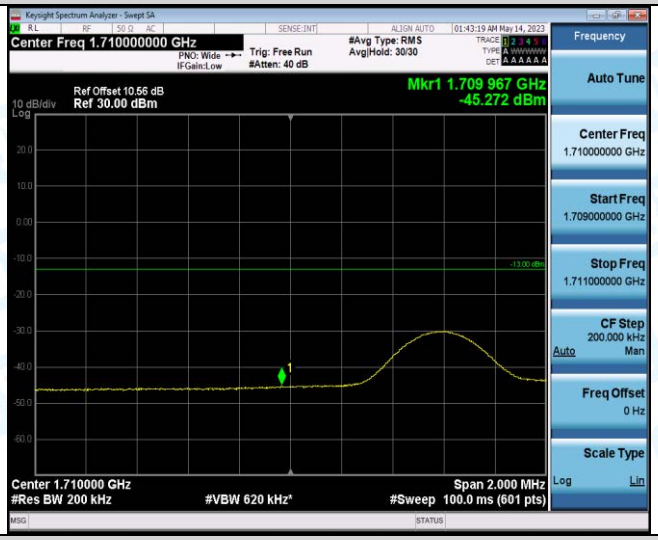


Band4-10MHz-QPSK-20350-50RB#0

Band4-10MHz-16QAM-20000-1RB#0

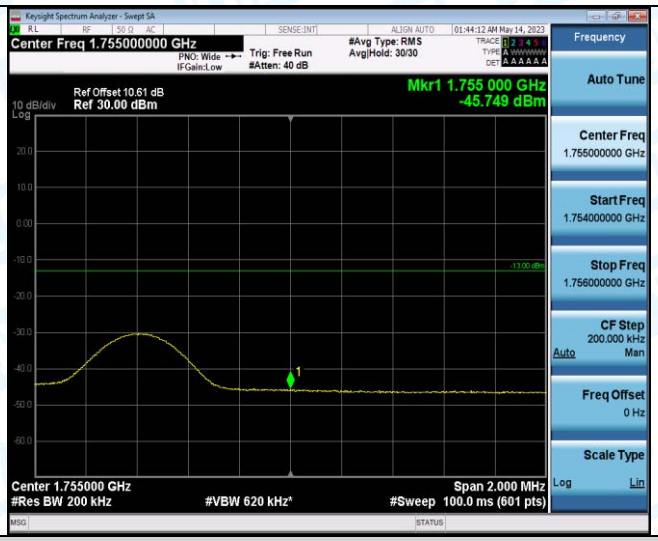


Band4-10MHz-16QAM-20000-1RB#49

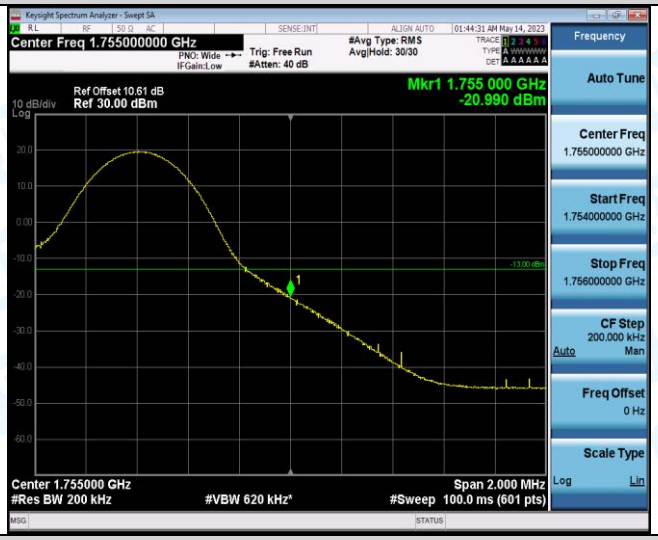


Band4-10MHz-16QAM-20000-50RB#0

Band4-10MHz-16QAM-20350-1RB#0



Band4-10MHz-16QAM-20350-1RB#49



Band4-10MHz-16QAM-20350-50RB#0

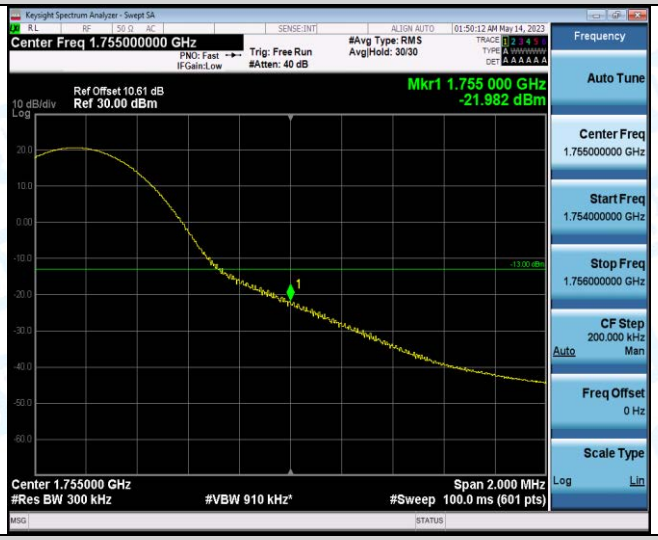
Band4-15MHz-QPSK-20025-1RB#0

Band4-15MHz-QPSK-20025-1RB#74

Band4-15MHz-QPSK-20025-75RB#0

Band4-15MHz-QPSK-20325-1RB#0

Band4-15MHz-QPSK-20325-1RB#74



Band4-15MHz-QPSK-20325-75RB#0

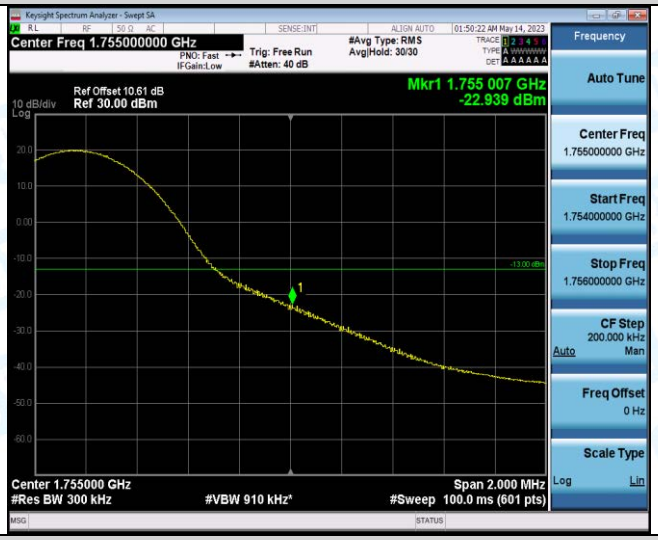
Band4-15MHz-16QAM-20025-1RB#0

Band4-15MHz-16QAM-20025-1RB#74

Band4-15MHz-16QAM-20025-75RB#0

Band4-15MHz-16QAM-20325-1RB#0

Band4-15MHz-16QAM-20325-1RB#74



Band4-15MHz-16QAM-20325-75RB#0

Band4-20MHz-QPSK-20050-1RB#0

Band4-20MHz-QPSK-20050-1RB#99

Band4-20MHz-QPSK-20050-100RB#0

Band4-20MHz-QPSK-20300-1RB#0