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

Band4-1.4MHz-64QAM-19957-6RB#0

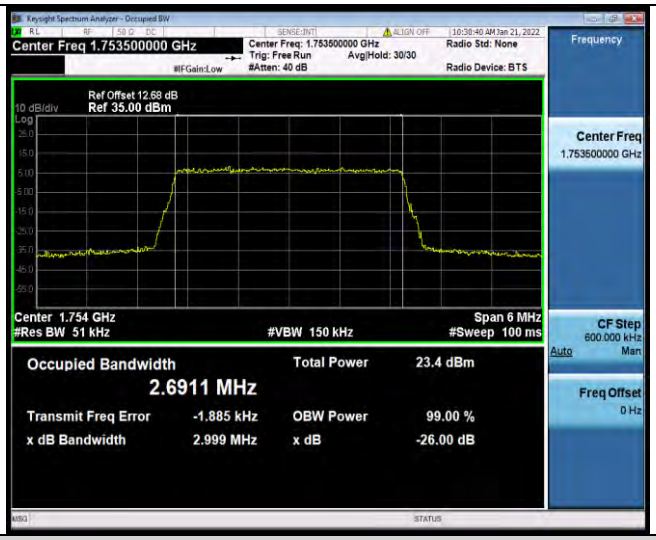
Band4-1.4MHz-64QAM-20175-6RB#0

Band4-1.4MHz-64QAM-20393-6RB#0

Band4-3MHz-64QAM-19965-15RB#0

Band4-3MHz-64QAM-20175-15RB#0

Band4-3MHz-64QAM-20385-15RB#0



Band4-5MHz-64QAM-19975-25RB#0

Band4-5MHz-64QAM-20175-25RB#0

Band4-5MHz-64QAM-20375-25RB#0

Band4-10MHz-64QAM-20000-50RB#0

Band4-10MHz-64QAM-20175-50RB#0

Band4-10MHz-64QAM-20350-50RB#0

Band4-15MHz-64QAM-20025-75RB#0

Band4-15MHz-64QAM-20175-75RB#0

Band4-15MHz-64QAM-20325-75RB#0

Band4-20MHz-64QAM-20050-100RB#0

Band4-20MHz-64QAM-20175-100RB#0

Band4-20MHz-64QAM-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
10:57:25 AM Jan 21, 2022
Frequency
Ref Offset 12.68 dB
10 dB/div
Ref 35.00 dBm
Log
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
17.973 MHz
Total Power 22.1 dBm
Transmit Freq Error 15.044 kHz
OBW Power 99.00 %
x dB Bandwidth 19.00 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-26.95	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-30.27	PASS
Band4	1.4MHz	QPSK	20350	1RB#5	-26.51	PASS
Band4	1.4MHz	QPSK	20350	6RB#0	-29.15	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-29.18	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-29.76	PASS
Band4	1.4MHz	16QAM	20350	1RB#5	-31.32	PASS
Band4	1.4MHz	16QAM	20350	6RB#0	-29.13	PASS
Band4	3MHz	QPSK	19965	1RB#0	-20.04	PASS
Band4	3MHz	QPSK	19965	15RB#0	-21.79	PASS
Band4	3MHz	QPSK	20385	1RB#14	-19.44	PASS
Band4	3MHz	QPSK	20385	15RB#0	-22.19	PASS
Band4	3MHz	16QAM	19965	1RB#0	-21.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	-23.10	PASS
Band4	3MHz	16QAM	20385	1RB#14	-20.92	PASS
Band4	3MHz	16QAM	20385	15RB#0	-23.13	PASS
Band4	5MHz	QPSK	19975	1RB#0	-27.52	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.28	PASS
Band4	5MHz	QPSK	20375	1RB#24	-27.01	PASS
Band4	5MHz	QPSK	20375	25RB#0	-26.25	PASS
Band4	5MHz	16QAM	19975	1RB#0	-28.46	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.25	PASS
Band4	5MHz	16QAM	20375	1RB#24	-28.53	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.26	PASS
Band4	10MHz	QPSK	20000	1RB#0	-33.74	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.73	PASS
Band4	10MHz	QPSK	20350	1RB#49	-32.75	PASS
Band4	10MHz	QPSK	20350	50RB#0	-27.50	PASS
Band4	10MHz	16QAM	20000	1RB#0	-34.71	PASS
Band4	10MHz	16QAM	20000	50RB#0	-30.22	PASS
Band4	10MHz	16QAM	20350	1RB#49	-33.75	PASS
Band4	10MHz	16QAM	20350	50RB#0	-28.49	PASS
Band4	15MHz	QPSK	20025	1RB#0	-33.75	PASS
Band4	15MHz	QPSK	20025	75RB#0	-30.06	PASS
Band4	15MHz	QPSK	20325	1RB#74	-34.11	PASS
Band4	15MHz	QPSK	20325	75RB#0	-26.92	PASS
Band4	15MHz	16QAM	20025	1RB#0	-34.16	PASS
Band4	15MHz	16QAM	20025	75RB#0	-29.92	PASS
Band4	15MHz	16QAM	20325	1RB#74	-35.44	PASS
Band4	15MHz	16QAM	20325	75RB#0	-28.75	PASS
Band4	20MHz	QPSK	20050	1RB#0	-19.62	PASS
Band4	20MHz	QPSK	20050	100RB#0	-31.86	PASS
Band4	20MHz	QPSK	20300	1RB#99	-19.63	PASS
Band4	20MHz	QPSK	20300	100RB#0	-29.40	PASS

Band4	20MHz	16QAM	20050	1RB#0	-20.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	-31.41	PASS
Band4	20MHz	16QAM	20300	1RB#99	-19.68	PASS
Band4	20MHz	16QAM	20300	100RB#0	-30.01	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	-28.59	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	-31.09	PASS
Band4	1.4MHz	64QAM	20350	1RB#5	-30.88	PASS
Band4	1.4MHz	64QAM	20350	6RB#0	-32.73	PASS
Band4	3MHz	64QAM	19965	1RB#0	-20.27	PASS
Band4	3MHz	64QAM	19965	15RB#0	-23.05	PASS
Band4	3MHz	64QAM	20385	1RB#14	-21.13	PASS
Band4	3MHz	64QAM	20385	15RB#0	-23.38	PASS
Band4	5MHz	64QAM	19975	1RB#0	-28.87	PASS
Band4	5MHz	64QAM	19975	25RB#0	-27.40	PASS
Band4	5MHz	64QAM	20375	1RB#24	-29.45	PASS
Band4	5MHz	64QAM	20375	25RB#0	-28.21	PASS
Band4	10MHz	64QAM	20000	1RB#49	-50.63	PASS
Band4	10MHz	64QAM	20000	50RB#0	-30.37	PASS
Band4	10MHz	64QAM	20350	1RB#0	-52.62	PASS
Band4	10MHz	64QAM	20350	50RB#0	-30.16	PASS
Band4	15MHz	64QAM	20025	1RB#0	-34.62	PASS
Band4	15MHz	64QAM	20025	75RB#0	-30.55	PASS
Band4	15MHz	64QAM	20325	1RB#74	-35.97	PASS
Band4	15MHz	64QAM	20325	75RB#0	-30.86	PASS
Band4	20MHz	64QAM	20050	1RB#0	-19.89	PASS
Band4	20MHz	64QAM	20050	100RB#0	-31.28	PASS
Band4	20MHz	64QAM	20300	1RB#99	-20.26	PASS
Band4	20MHz	64QAM	20300	100RB#0	-31.49	PASS

Test Graphs

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

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

Band4-1.4MHz-QPSK-20350-1RB#5

Band4-1.4MHz-QPSK-20350-6RB#0

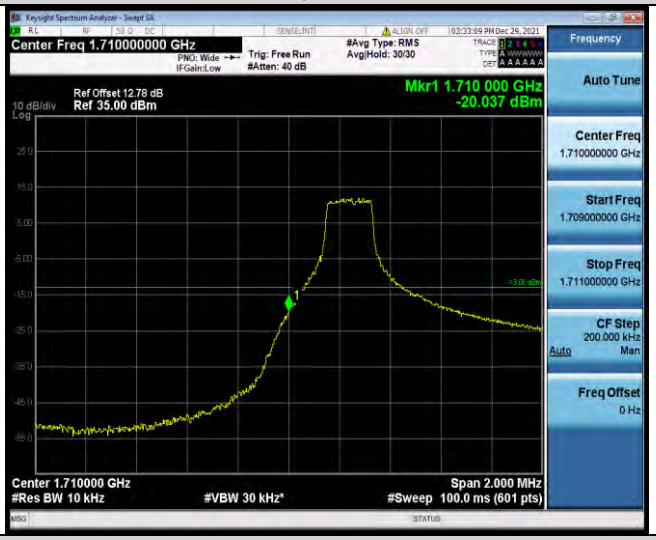
Band4-1.4MHz-16QAM-19957-1RB#0

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

Band4-1.4MHz-16QAM-20350-1RB#5

Band4-1.4MHz-16QAM-20350-6RB#0

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

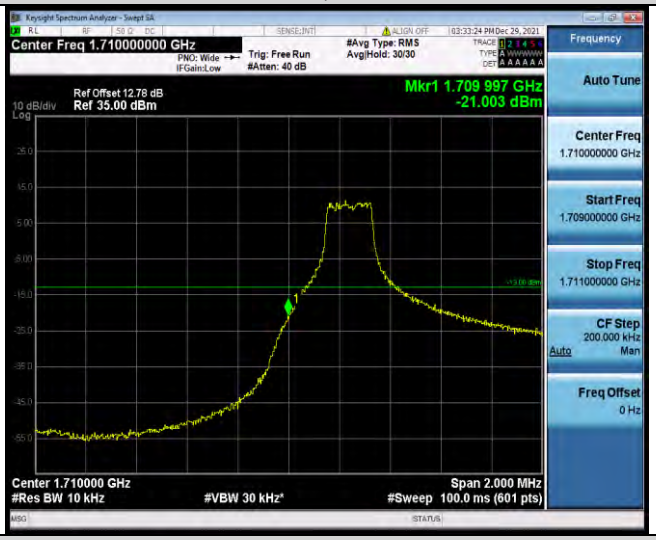


Band4-3MHz-QPSK-19965-15RB#0

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

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

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

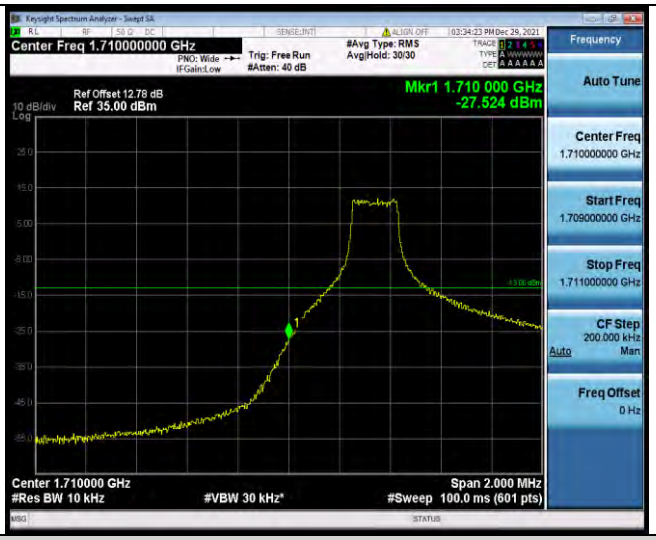


Band4-3MHz-16QAM-19965-15RB#0

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

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

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



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

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

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

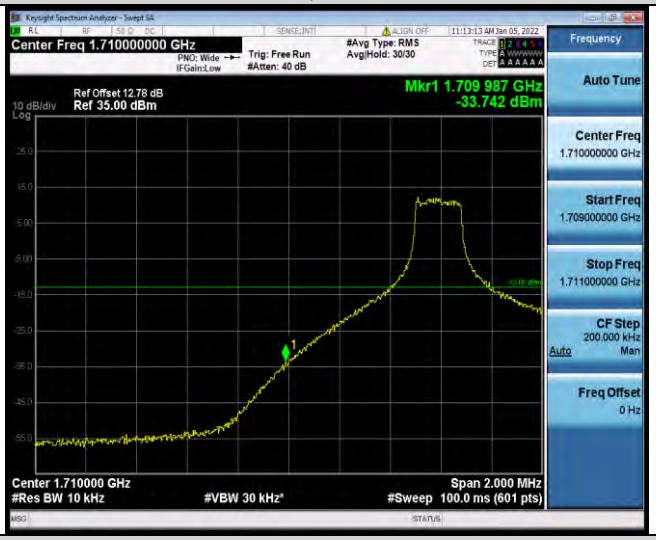
Band4-5MHz-16QAM-19975-1RB#0

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

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

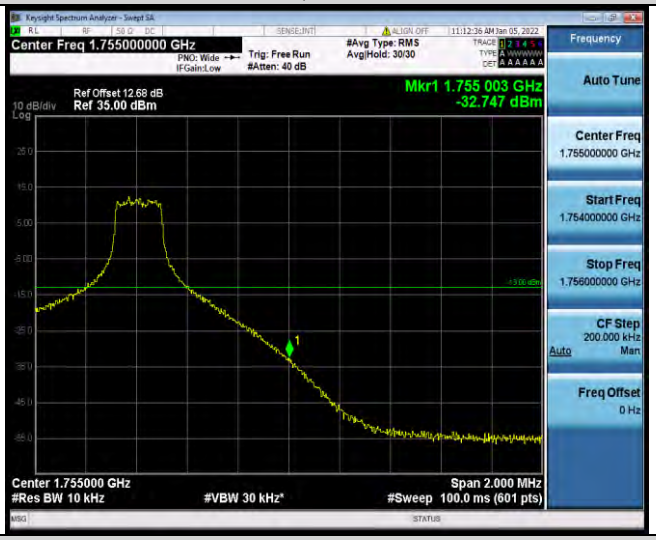
Band4-5MHz-16QAM-20375-25RB#0

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



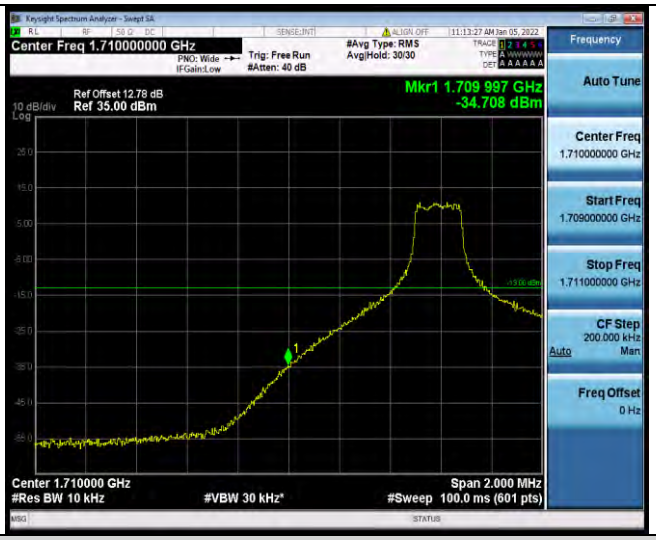
Band4-10MHz-QPSK-20000-50RB#0

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



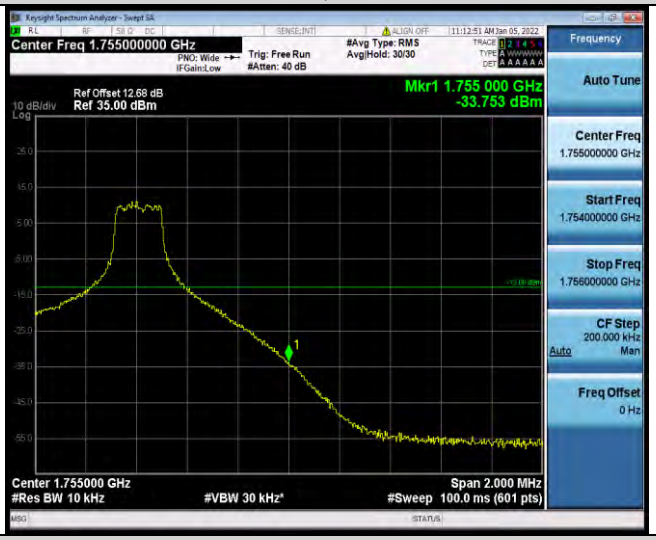
Band4-10MHz-QPSK-20350-50RB#0

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



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

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



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

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

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

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

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

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

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

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

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

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

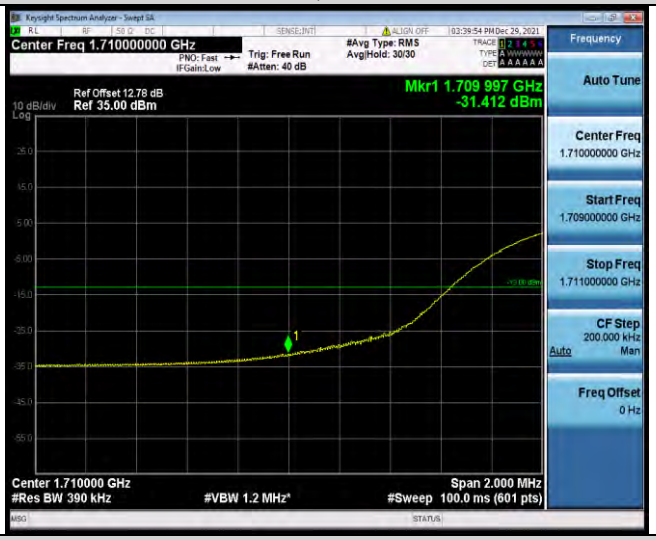
Band4-20MHz-QPSK-20050-100RB#0

Band4-20MHz-QPSK-20300-1RB#99

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

Band4-20MHz-16QAM-20050-1RB#0

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



Band4-20MHz-16QAM-20300-1RB#99

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

Band4-1.4MHz-64QAM-19957-1RB#0

Band4-1.4MHz-64QAM-19957-6RB#0

Band4-1.4MHz-64QAM-20350-1RB#5

Band4-1.4MHz-64QAM-20350-6RB#0

Band4-3MHz-64QAM-19965-1RB#0