26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

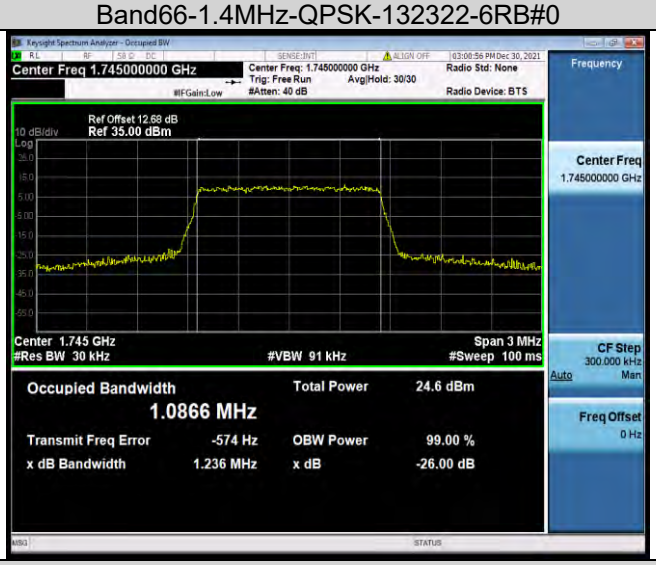
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0915	1.230	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0866	1.236	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0880	1.232	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0929	1.246	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0894	1.229	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0893	1.223	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6982	2.933	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6942	2.943	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7001	2.973	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6947	2.961	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6925	2.972	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6949	2.978	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.4961	4.869	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5017	4.904	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4951	4.877	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5039	4.868	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4990	4.861	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4973	4.891	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9879	9.547	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9844	9.599	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9842	9.577	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9692	9.575	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9659	9.599	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9875	9.640	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.465	14.28	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.474	14.33	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.458	14.35	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.456	14.30	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.453	14.30	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.458	14.34	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.972	19.01	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.974	19.09	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.959	19.01	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.963	19.03	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.990	19.06	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.969	19.01	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.0897	1.235	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.0904	1.236	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.0908	1.232	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.6963	2.968	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.6956	2.968	PASS

Band66	3MHz	64QAM	132657	15RB#0	2.6919	3.004	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.4977	4.876	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.4972	4.873	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.4975	4.925	PASS
Band66	10MHz	64QAM	132022	50RB#0	8.9651	9.568	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.9711	9.575	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.9775	9.580	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.453	14.30	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.457	14.29	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.462	14.29	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.976	19.00	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.976	19.04	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.977	19.07	PASS

Test Graphs

Band66-1.4MHz-QPSK-131979-6RB#0

Band66-1.4MHz-QPSK-132322-6RB#0



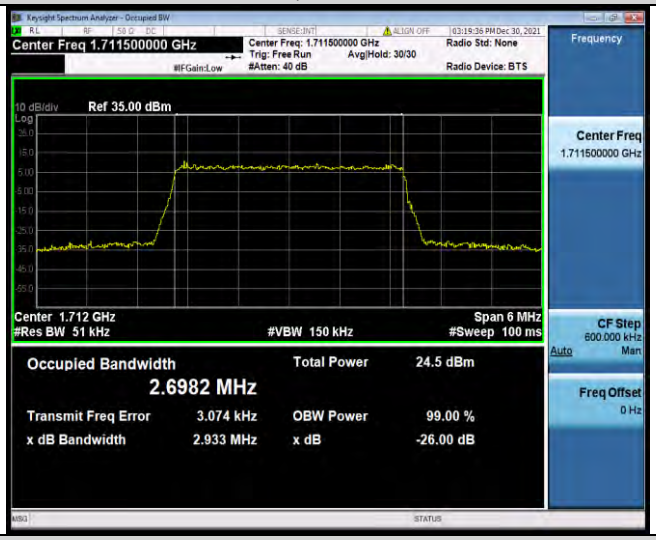
Band66-1.4MHz-QPSK-132665-6RB#0

Band66-1.4MHz-16QAM-131979-6RB#0

Band66-1.4MHz-16QAM-132322-6RB#0

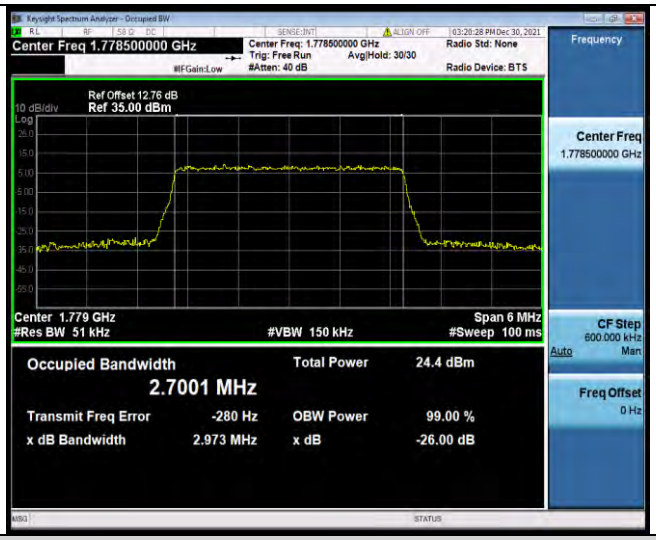
Band66-1.4MHz-16QAM-132665-6RB#0

Band66-3MHz-QPSK-131987-15RB#0



Band66-3MHz-QPSK-132322-15RB#0

Band66-3MHz-QPSK-132657-15RB#0



Band66-3MHz-16QAM-131987-15RB#0

Band66-3MHz-16QAM-132322-15RB#0

Band66-3MHz-16QAM-132657-15RB#0

Band66-5MHz-QPSK-131997-25RB#0

Band66-5MHz-QPSK-132322-25RB#0

Band66-5MHz-QPSK-132647-25RB#0

Band66-5MHz-16QAM-131997-25RB#0

Band66-5MHz-16QAM-132322-25RB#0

Band66-5MHz-16QAM-132647-25RB#0

Band66-10MHz-QPSK-132022-50RB#0

Band66-10MHz-QPSK-132322-50RB#0

Band66-10MHz-QPSK-132622-50RB#0

Band66-10MHz-16QAM-132022-50RB#0

Band66-10MHz-16QAM-132322-50RB#0

Band66-10MHz-16QAM-132622-50RB#0

Band66-15MHz-QPSK-132047-75RB#0

Band66-15MHz-QPSK-132322-75RB#0

Band66-15MHz-QPSK-132597-75RB#0

Band66-15MHz-16QAM-132047-75RB#0

Band66-15MHz-16QAM-132322-75RB#0

Band66-15MHz-16QAM-132597-75RB#0

Band66-20MHz-QPSK-132072-100RB#0

Band66-20MHz-QPSK-132322-100RB#0

Band66-20MHz-QPSK-132572-100RB#0

Band66-20MHz-16QAM-132072-100RB#0

Band66-20MHz-16QAM-132322-100RB#0

Band66-20MHz-16QAM-132572-100RB#0

Band66-1.4MHz-64QAM-131979-6RB#0

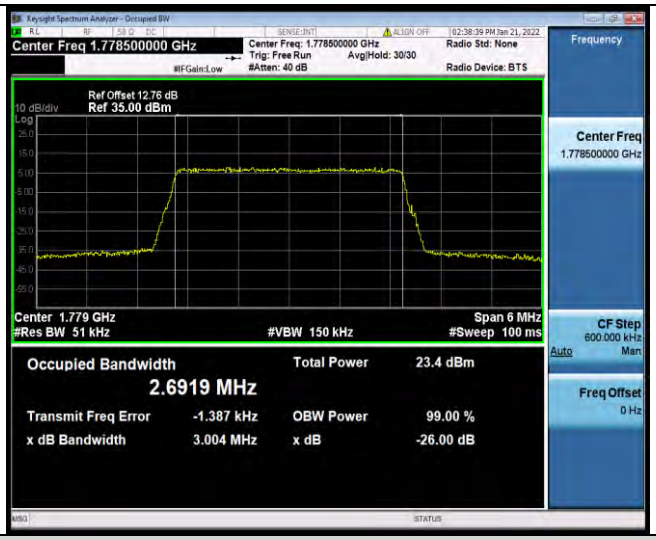
Band66-1.4MHz-64QAM-132322-6RB#0

Band66-1.4MHz-64QAM-132665-6RB#0

Band66-3MHz-64QAM-131987-15RB#0

Band66-3MHz-64QAM-132322-15RB#0

Band66-3MHz-64QAM-132657-15RB#0



Band66-5MHz-64QAM-131997-25RB#0

Band66-5MHz-64QAM-132322-25RB#0

Band66-5MHz-64QAM-132647-25RB#0

Band66-10MHz-64QAM-132022-50RB#0

Band66-10MHz-64QAM-132322-50RB#0

Band66-10MHz-64QAM-132622-50RB#0

Band66-15MHz-64QAM-132047-75RB#0

Band66-15MHz-64QAM-132322-75RB#0

Band66-15MHz-64QAM-132597-75RB#0

Band66-20MHz-64QAM-132072-100RB#0

Band66-20MHz-64QAM-132322-100RB#0

Band66-20MHz-64QAM-132572-100RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 1.770000000 GHz
Center Freq: 1.770000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
02:35:26 PM Jan 21, 2022
Frequency
Ref Offset 12.76 dB
10 dB/div
Ref 35.00 dBm
Log
Center Freq
1.770000000 GHz
Center 1.77 GHz
#Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.977 MHz
Total Power 22.3 dBm
Transmit Freq Error -20.780 kHz
OBW Power 99.00 %
x dB Bandwidth 19.07 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

BAND EDGE

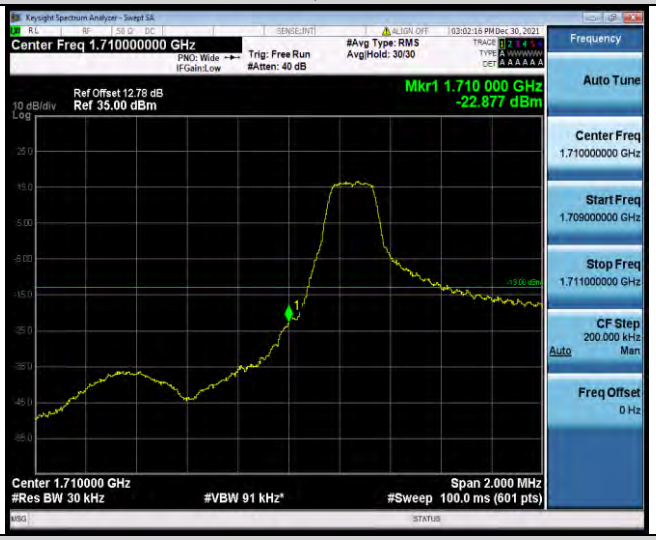
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-22.88	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-29.93	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-21.14	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-25.28	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-29.15	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-22.83	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-30.57	PASS
Band66	3MHz	QPSK	131987	1RB#0	-19.63	PASS
Band66	3MHz	QPSK	131987	15RB#0	-22.09	PASS
Band66	3MHz	QPSK	132657	1RB#14	-19.08	PASS
Band66	3MHz	QPSK	132657	15RB#0	-22.43	PASS
Band66	3MHz	16QAM	131987	1RB#0	-20.57	PASS
Band66	3MHz	16QAM	131987	15RB#0	-23.19	PASS
Band66	3MHz	16QAM	132657	1RB#14	-21.13	PASS
Band66	3MHz	16QAM	132657	15RB#0	-23.20	PASS
Band66	5MHz	QPSK	131997	1RB#0	-15.41	PASS
Band66	5MHz	QPSK	131997	25RB#0	-26.71	PASS
Band66	5MHz	QPSK	132647	1RB#24	-14.51	PASS
Band66	5MHz	QPSK	132647	25RB#0	-27.17	PASS
Band66	5MHz	16QAM	131997	1RB#0	-17.27	PASS
Band66	5MHz	16QAM	131997	25RB#0	-27.37	PASS
Band66	5MHz	16QAM	132647	1RB#24	-16.84	PASS
Band66	5MHz	16QAM	132647	25RB#0	-27.65	PASS
Band66	10MHz	QPSK	132022	1RB#0	-17.93	PASS
Band66	10MHz	QPSK	132022	50RB#0	-30.15	PASS
Band66	10MHz	QPSK	132622	1RB#49	-17.09	PASS
Band66	10MHz	QPSK	132622	50RB#0	-28.98	PASS
Band66	10MHz	16QAM	132022	1RB#0	-18.89	PASS
Band66	10MHz	16QAM	132022	50RB#0	-30.28	PASS
Band66	10MHz	16QAM	132622	1RB#49	-17.72	PASS
Band66	10MHz	16QAM	132622	50RB#0	-29.57	PASS
Band66	15MHz	QPSK	132047	1RB#0	-16.88	PASS
Band66	15MHz	QPSK	132047	75RB#0	-30.27	PASS
Band66	15MHz	QPSK	132597	1RB#74	-17.76	PASS
Band66	15MHz	QPSK	132597	75RB#0	-27.42	PASS
Band66	15MHz	16QAM	132047	1RB#0	-17.95	PASS
Band66	15MHz	16QAM	132047	75RB#0	-30.28	PASS
Band66	15MHz	16QAM	132597	1RB#74	-18.67	PASS
Band66	15MHz	16QAM	132597	75RB#0	-29.47	PASS
Band66	20MHz	QPSK	132072	1RB#0	-19.38	PASS
Band66	20MHz	QPSK	132072	100RB#0	-32.02	PASS
Band66	20MHz	QPSK	132572	1RB#99	-19.42	PASS
Band66	20MHz	QPSK	132572	100RB#0	-29.66	PASS

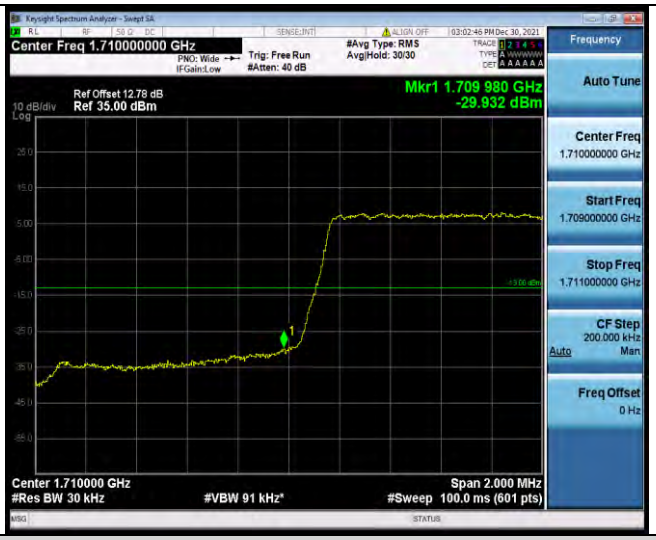
Band66	20MHz	16QAM	132072	1RB#0	-20.10	PASS
Band66	20MHz	16QAM	132072	100RB#0	-30.99	PASS
Band66	20MHz	16QAM	132572	1RB#99	-19.90	PASS
Band66	20MHz	16QAM	132572	100RB#0	-30.28	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	-26.67	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	-32.26	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	-28.64	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	-32.78	PASS
Band66	3MHz	64QAM	131987	1RB#0	-20.69	PASS
Band66	3MHz	64QAM	131987	15RB#0	-22.81	PASS
Band66	3MHz	64QAM	132657	1RB#14	-21.42	PASS
Band66	3MHz	64QAM	132657	15RB#0	-24.24	PASS
Band66	5MHz	64QAM	131997	1RB#0	-16.64	PASS
Band66	5MHz	64QAM	131997	25RB#0	-27.72	PASS
Band66	5MHz	64QAM	132647	1RB#24	-17.33	PASS
Band66	5MHz	64QAM	132647	25RB#0	-28.41	PASS
Band66	10MHz	64QAM	132022	1RB#0	-19.06	PASS
Band66	10MHz	64QAM	132022	50RB#0	-30.55	PASS
Band66	10MHz	64QAM	132622	1RB#49	-18.19	PASS
Band66	10MHz	64QAM	132622	50RB#0	-31.19	PASS
Band66	15MHz	64QAM	132047	1RB#0	-17.81	PASS
Band66	15MHz	64QAM	132047	75RB#0	-30.47	PASS
Band66	15MHz	64QAM	132597	1RB#74	-18.88	PASS
Band66	15MHz	64QAM	132597	75RB#0	-31.79	PASS
Band66	20MHz	64QAM	132072	1RB#0	-19.47	PASS
Band66	20MHz	64QAM	132072	100RB#0	-31.62	PASS
Band66	20MHz	64QAM	132572	1RB#99	-20.00	PASS
Band66	20MHz	64QAM	132572	100RB#0	-33.19	PASS

Test Graphs

Band66-1.4MHz-QPSK-131979-1RB#0

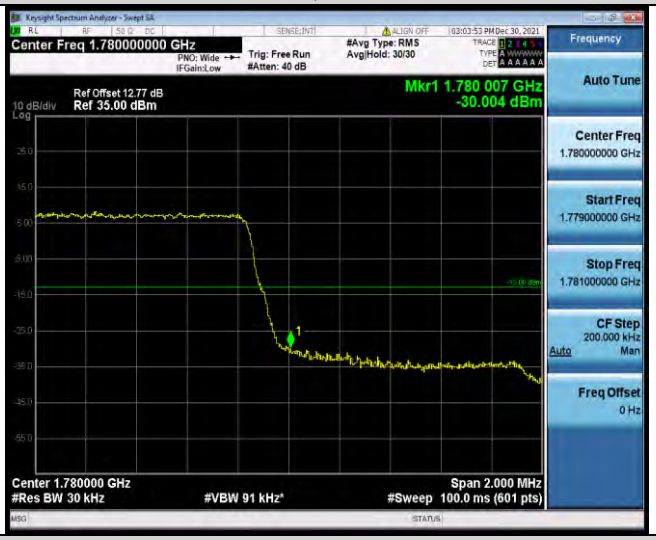


Band66-1.4MHz-QPSK-131979-6RB#0

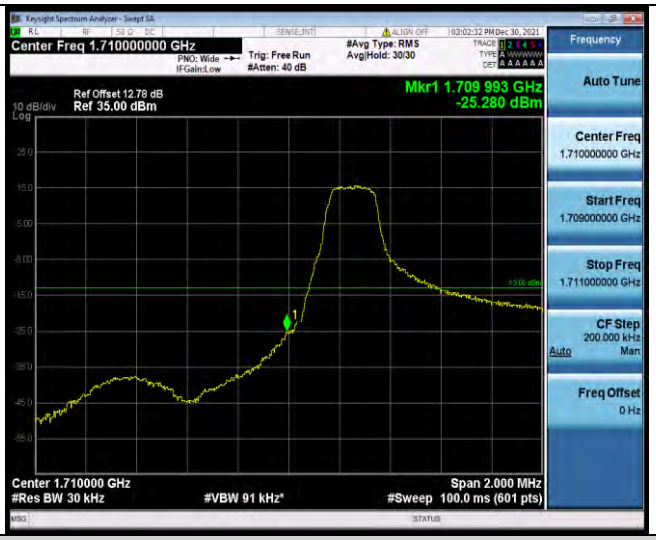


Band66-1.4MHz-QPSK-132665-1RB#5

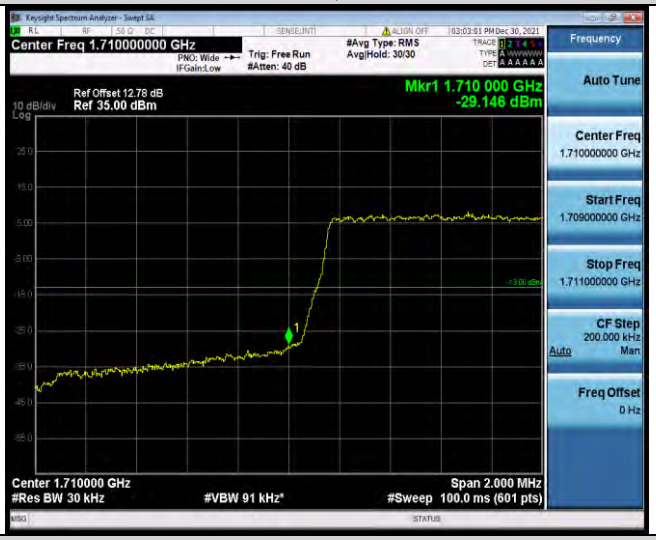
Band66-1.4MHz-QPSK-132665-6RB#0



Band66-1.4MHz-16QAM-131979-1RB#0



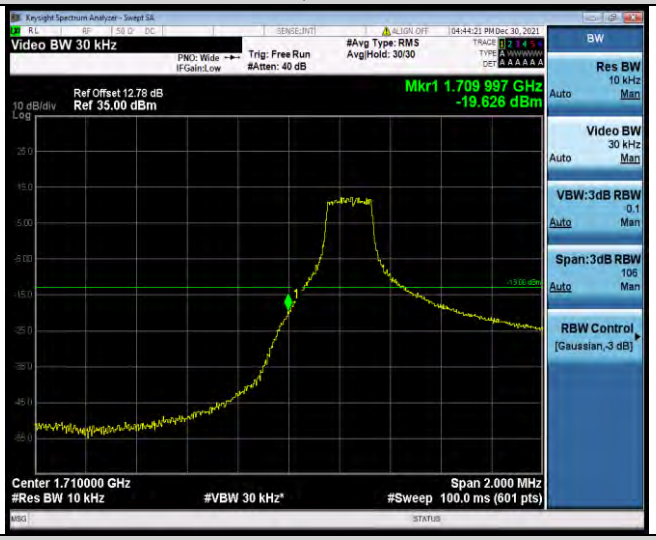
Band66-1.4MHz-16QAM-131979-6RB#0



Band66-1.4MHz-16QAM-132665-1RB#5

Band66-1.4MHz-16QAM-132665-6RB#0

Band66-3MHz-QPSK-131987-1RB#0

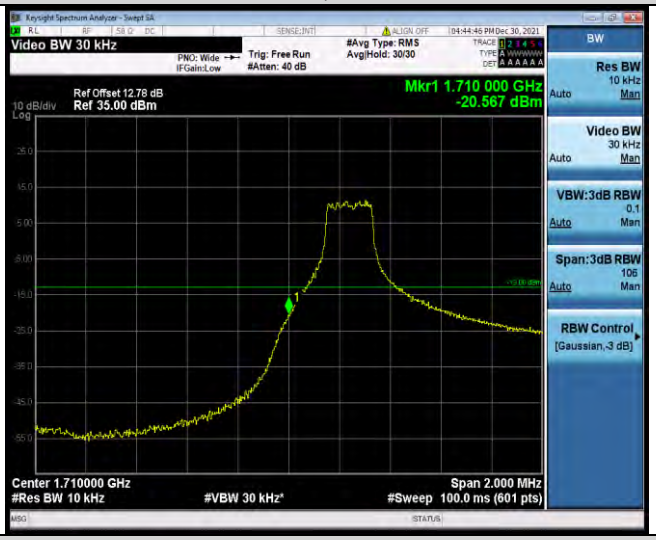


Band66-3MHz-QPSK-131987-15RB#0

Band66-3MHz-QPSK-132657-1RB#14

Band66-3MHz-QPSK-132657-15RB#0

Band66-3MHz-16QAM-131987-1RB#0

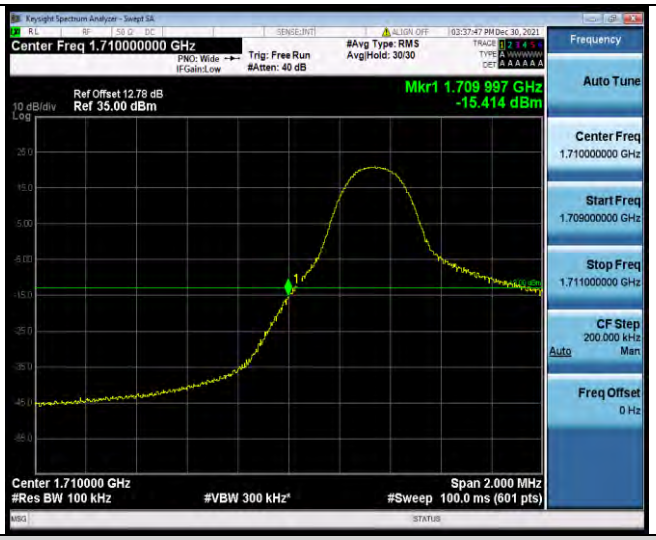


Band66-3MHz-16QAM-131987-15RB#0

Band66-3MHz-16QAM-132657-1RB#14

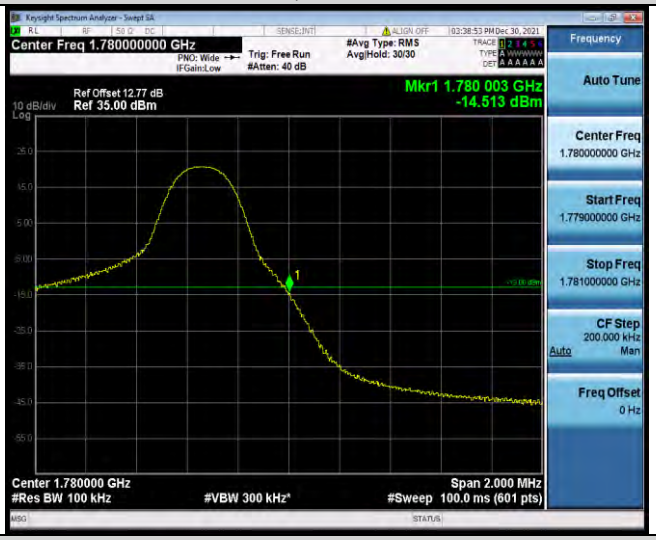
Band66-3MHz-16QAM-132657-15RB#0

Band66-5MHz-QPSK-131997-1RB#0



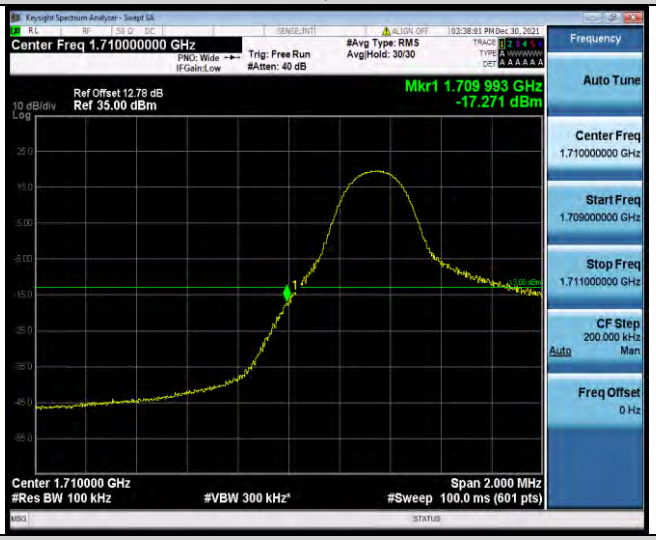
Band66-5MHz-QPSK-131997-25RB#0

Band66-5MHz-QPSK-132647-1RB#24



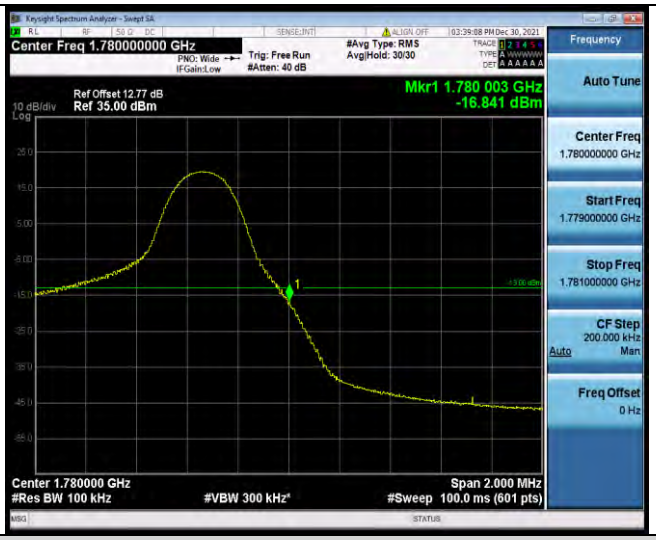
Band66-5MHz-QPSK-132647-25RB#0

Band66-5MHz-16QAM-131997-1RB#0



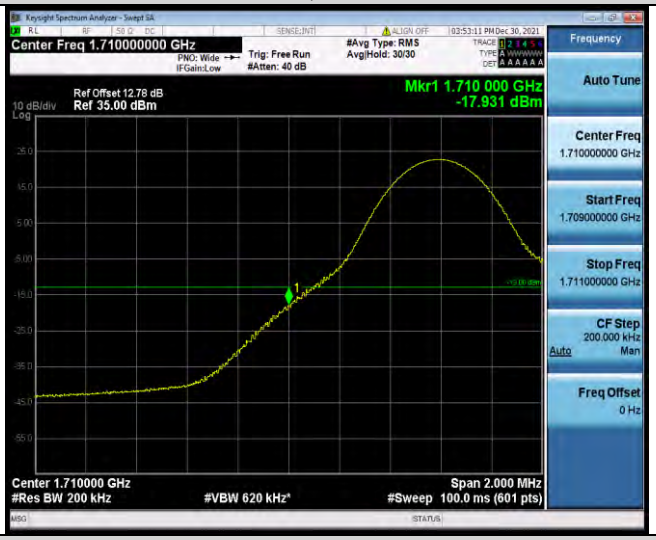
Band66-5MHz-16QAM-131997-25RB#0

Band66-5MHz-16QAM-132647-1RB#24



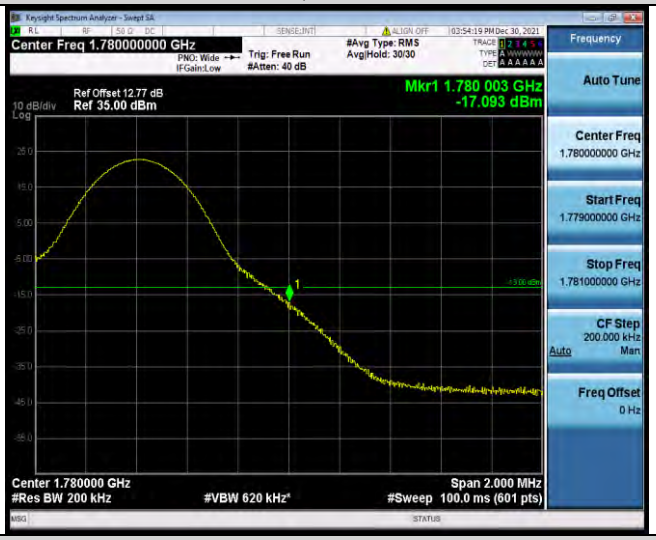
Band66-5MHz-16QAM-132647-25RB#0

Band66-10MHz-QPSK-132022-1RB#0



Band66-10MHz-QPSK-132022-50RB#0

Band66-10MHz-QPSK-132622-1RB#49



Band66-10MHz-QPSK-132622-50RB#0

Band66-10MHz-16QAM-132022-1RB#0