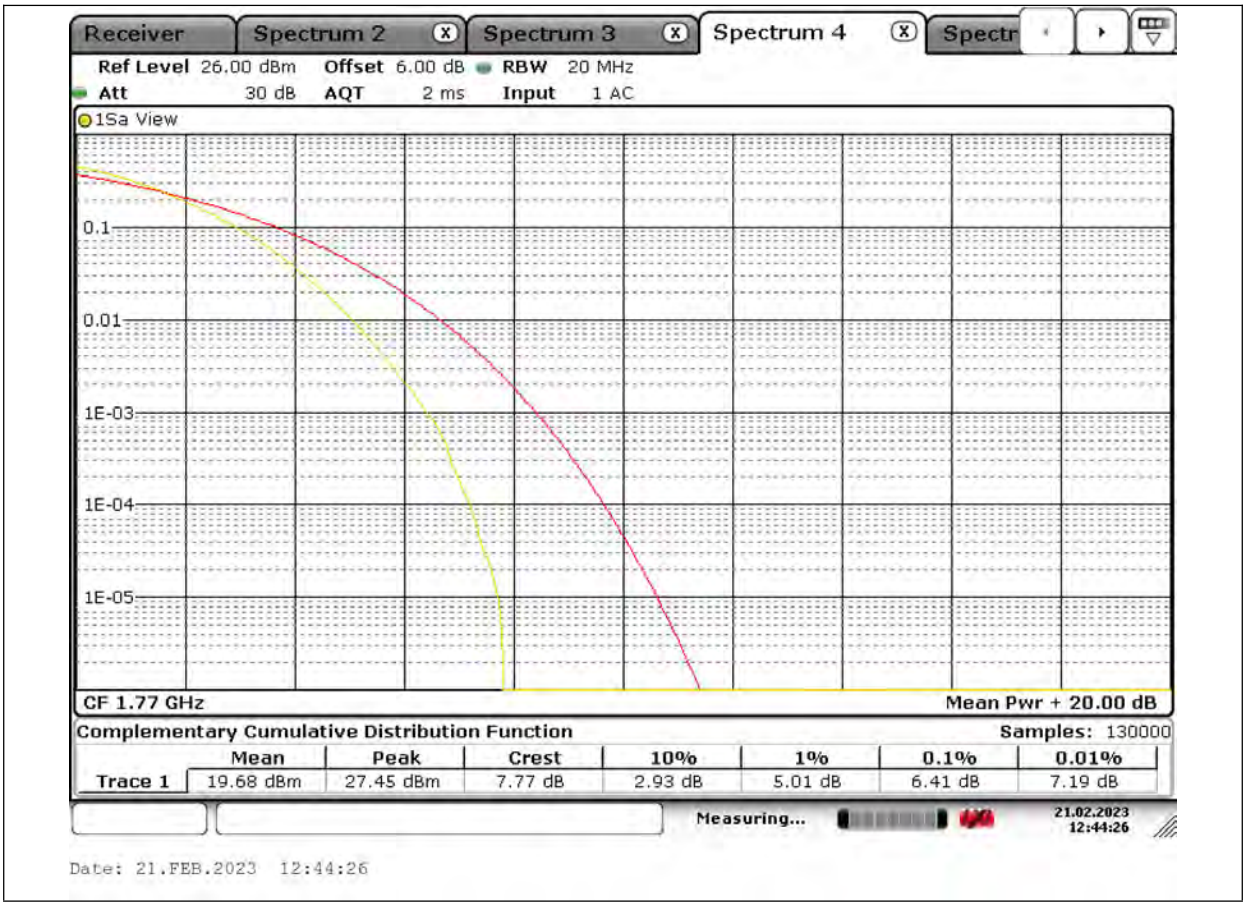

Receiver
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 26.00 dBm Offset 6.00 dB RBW 20 MHz
Att 30 dB AQT 2 ms Input 1 AC
1Sa View
0.1
0.01
1E-03
1E-04
1E-05
CF 1.77 GHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 130000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 19.68 dBm 27.45 dBm 7.77 dB 2.93 dB 5.01 dB 6.41 dB 7.19 dB
Measuring...
21.02.2023 12:44:26
Date: 21.FEB.2023 12:44:26

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

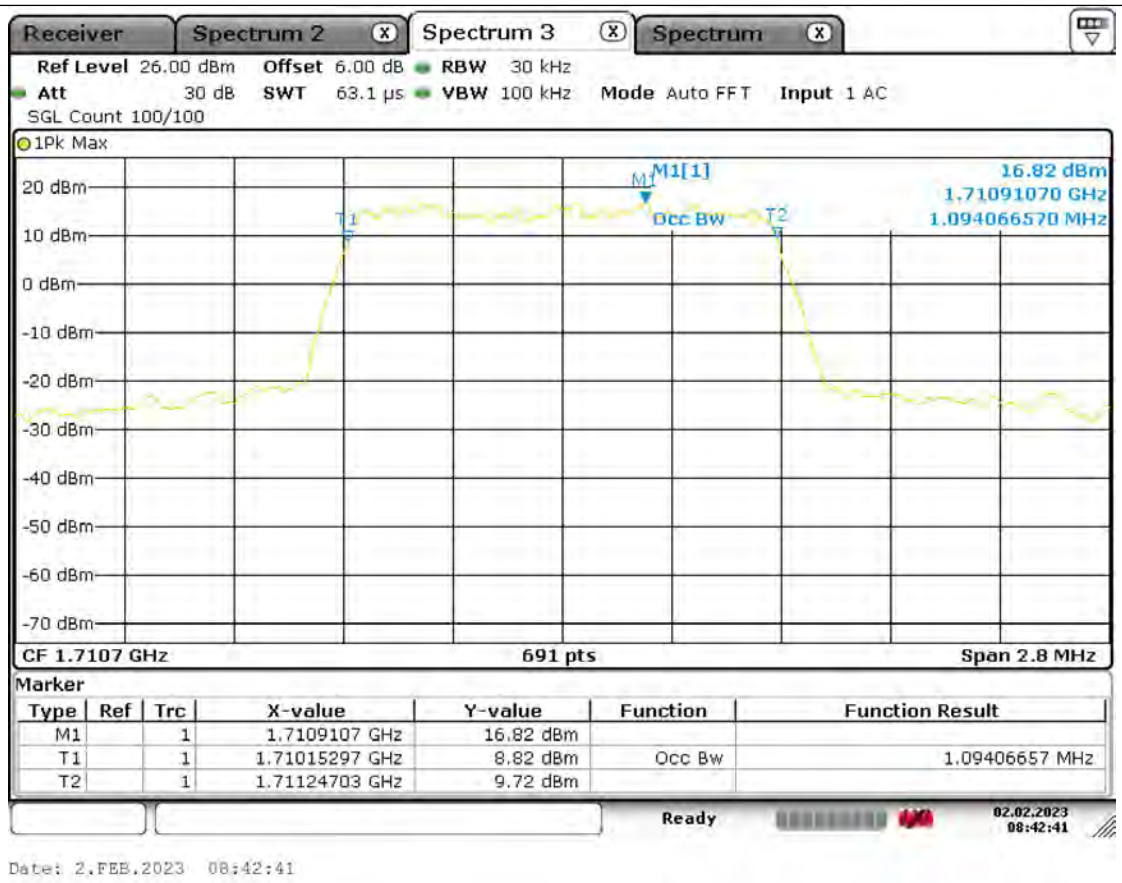
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.094	1.240	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.102	1.256	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.090	1.248	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.098	1.240	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.090	12.44	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.114	1.248	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.718	3.030	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.753	3.013	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.735	3.022	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.743	3.065	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.726	3.117	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.709	3.065	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.515	4.848	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.500	4.920	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.500	4.935	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.500	4.978	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.544	4.949	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.486	4.891	PASS
Band66	10MHz	QPSK	132022	50RB#0	9.001	9.928	PASS
Band66	10MHz	QPSK	132322	50RB#0	9.001	9.957	PASS
Band66	10MHz	QPSK	132622	50RB#0	9.059	9.783	PASS
Band66	10MHz	16QAM	132022	50RB#0	9.001	9.928	PASS
Band66	10MHz	16QAM	132322	50RB#0	9.001	9.899	PASS
Band66	10MHz	16QAM	132622	50RB#0	9.030	9.696	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.502	14.544	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.502	14.457	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.502	14.891	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.415	14.674	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.458	14.153	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.415	14.327	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.945	19.219	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.887	18.929	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.829	19.508	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.887	19.161	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.887	19.334	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.945	18.987	PASS

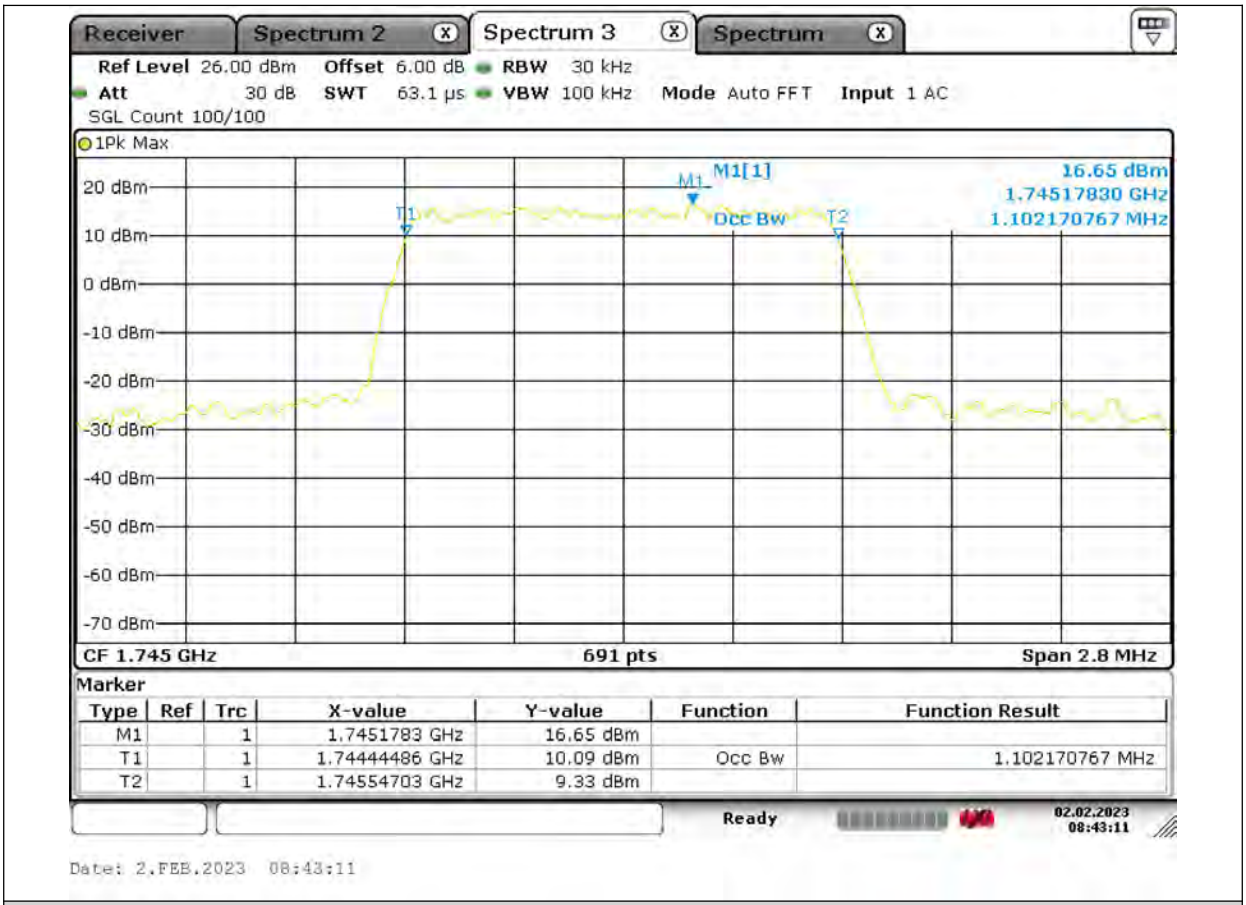
Band66	1.4MHz	64QAM	131979	6RB#0	1.106	1.240	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.094	1.252	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.098	1.260	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.718	3.083	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.718	3.083	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.744	3.056	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.486	4.906	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.486	4.949	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.530	4.949	PASS
Band66	10MHz	64QAM	132022	50RB#0	9.001	10.014	PASS
Band66	10MHz	64QAM	132322	50RB#0	9.001	9.986	PASS
Band66	10MHz	64QAM	132622	50RB#0	9.059	10.043	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.458	14.848	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.458	14.631	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.545	14.457	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.829	19.334	PASS
Band66	20MHz	64QAM	132322	100RB#0	18.002	19.392	PASS
Band66	20MHz	64QAM	132572	100RB#0	18.002	18.755	PASS

Test Graphs

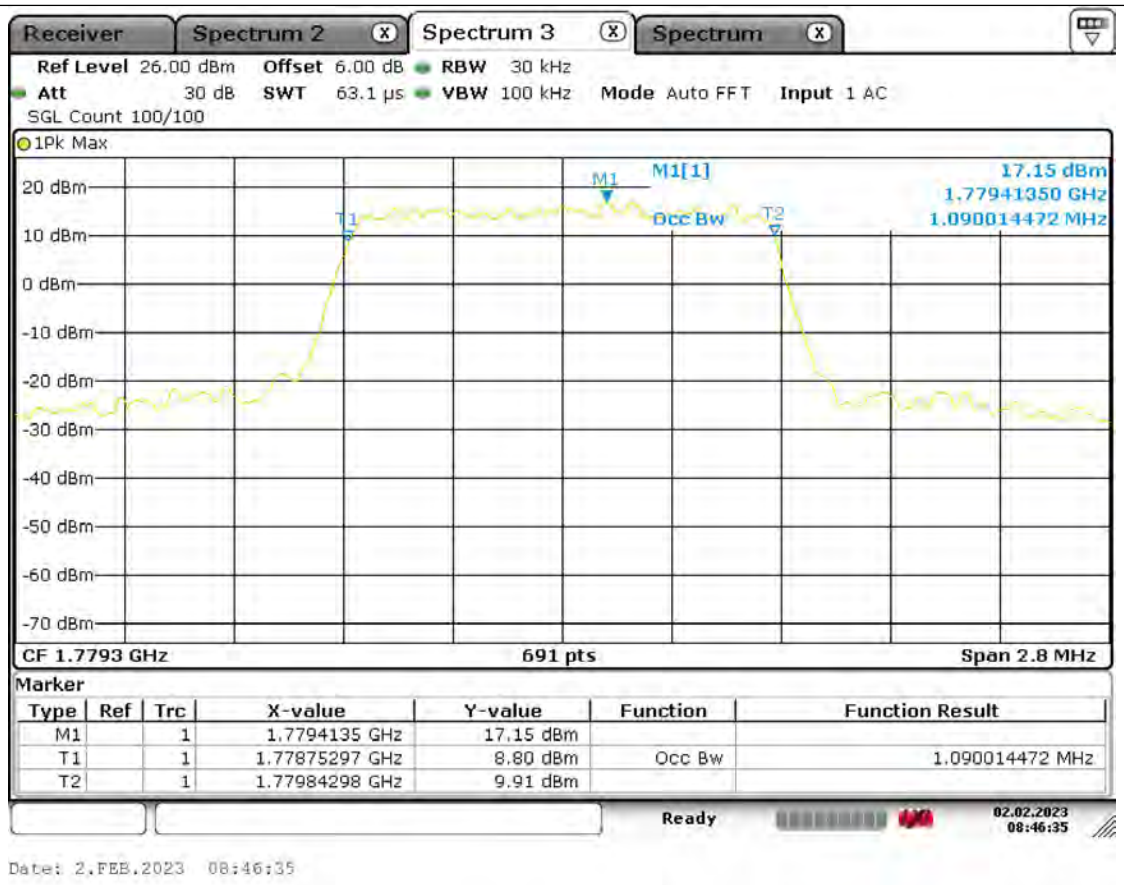
Band66-1.4MHz-QPSK-131979-6RB#0



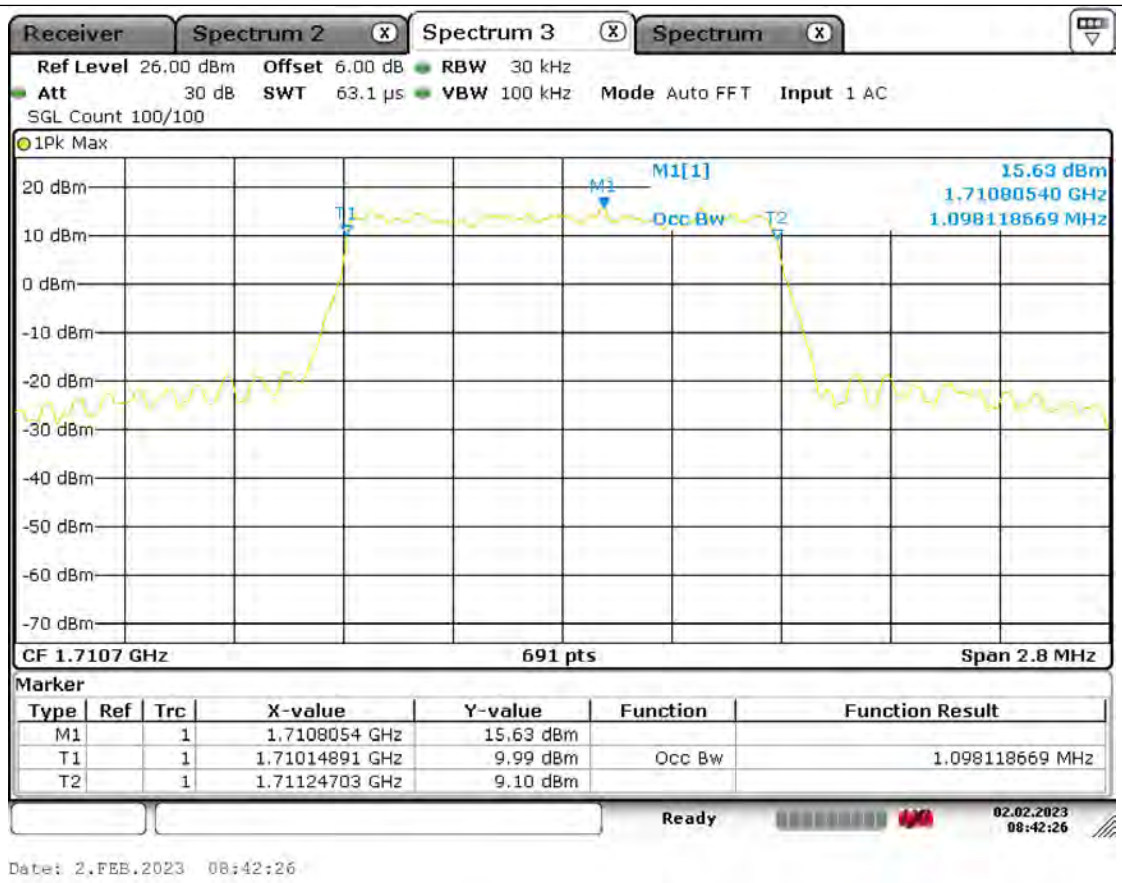
Band66-1.4MHz-QPSK-132322-6RB#0



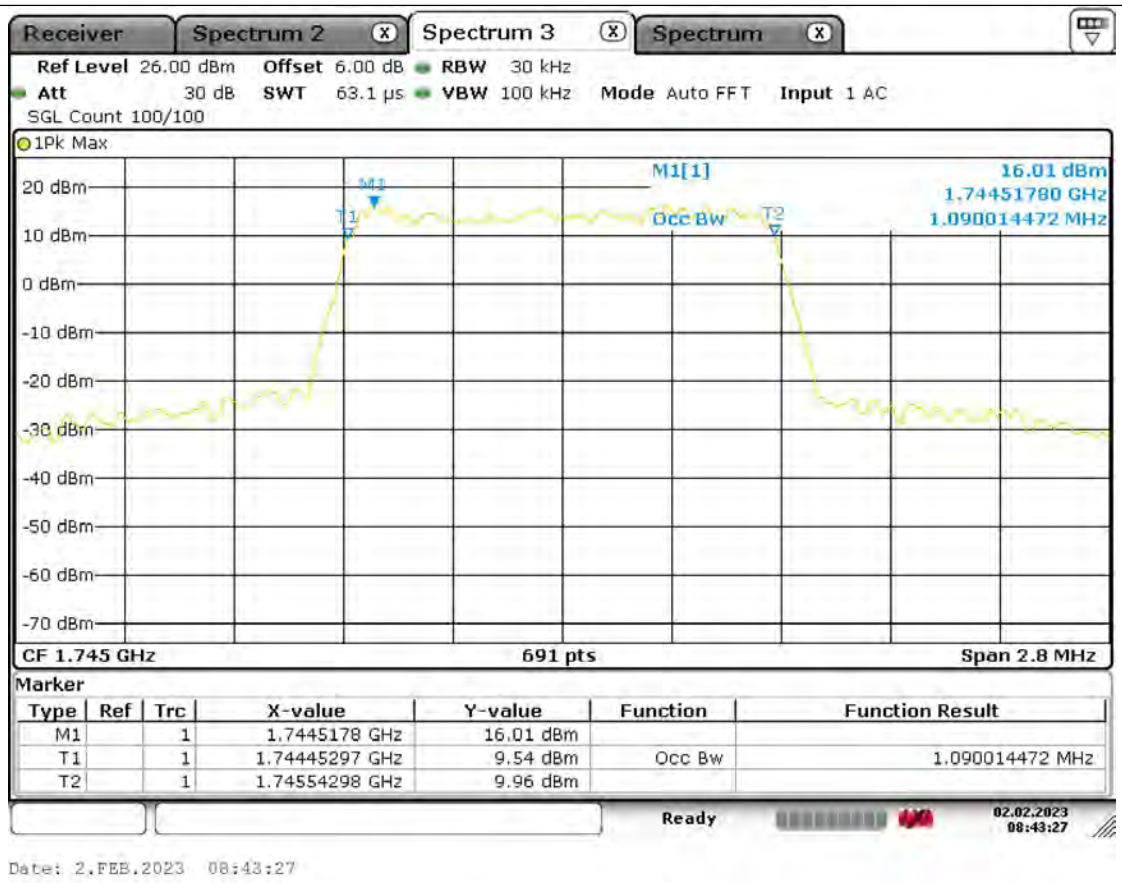
Band66-1.4MHz-QPSK-132665-6RB#0



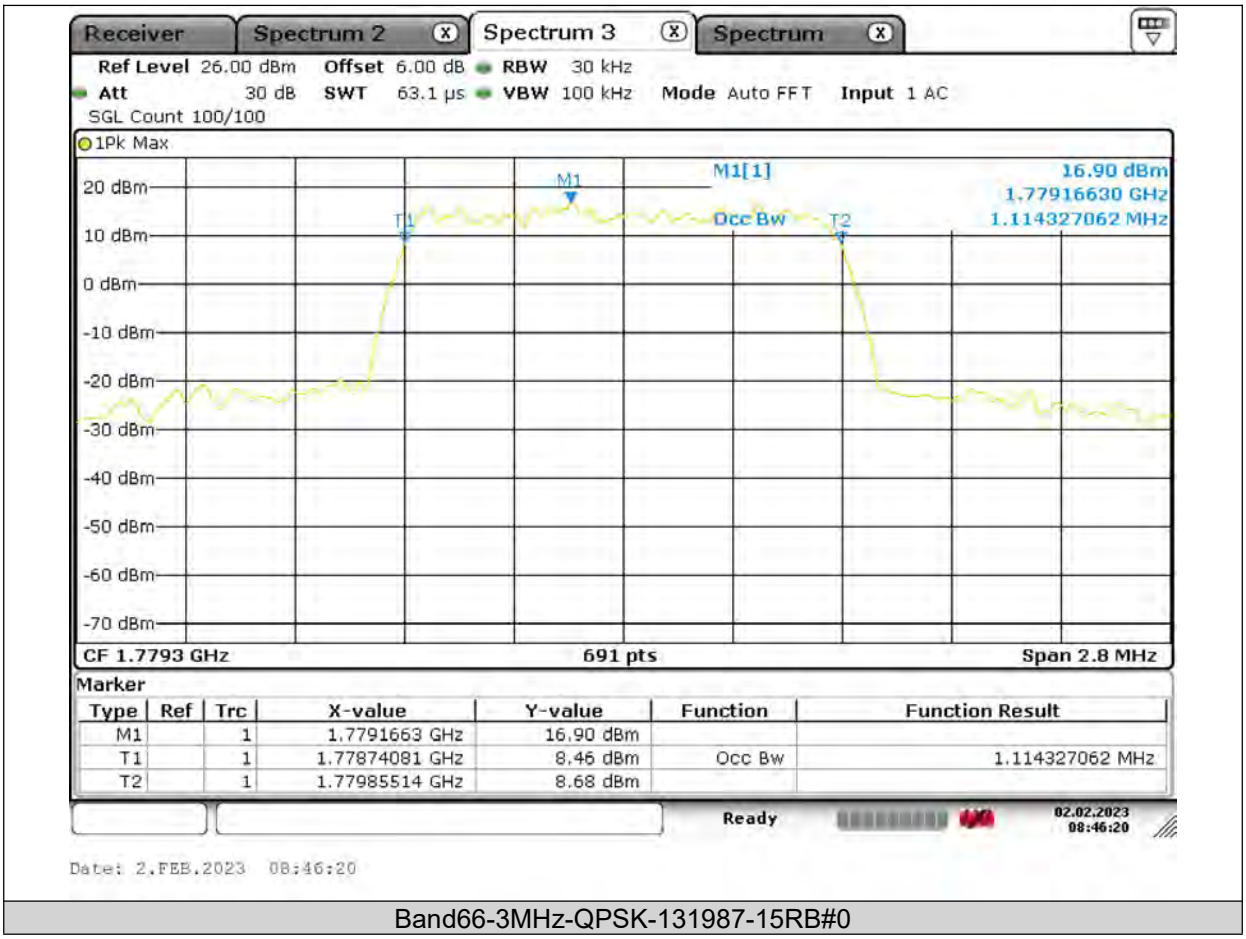
Band66-1.4MHz-16QAM-131979-6RB#0



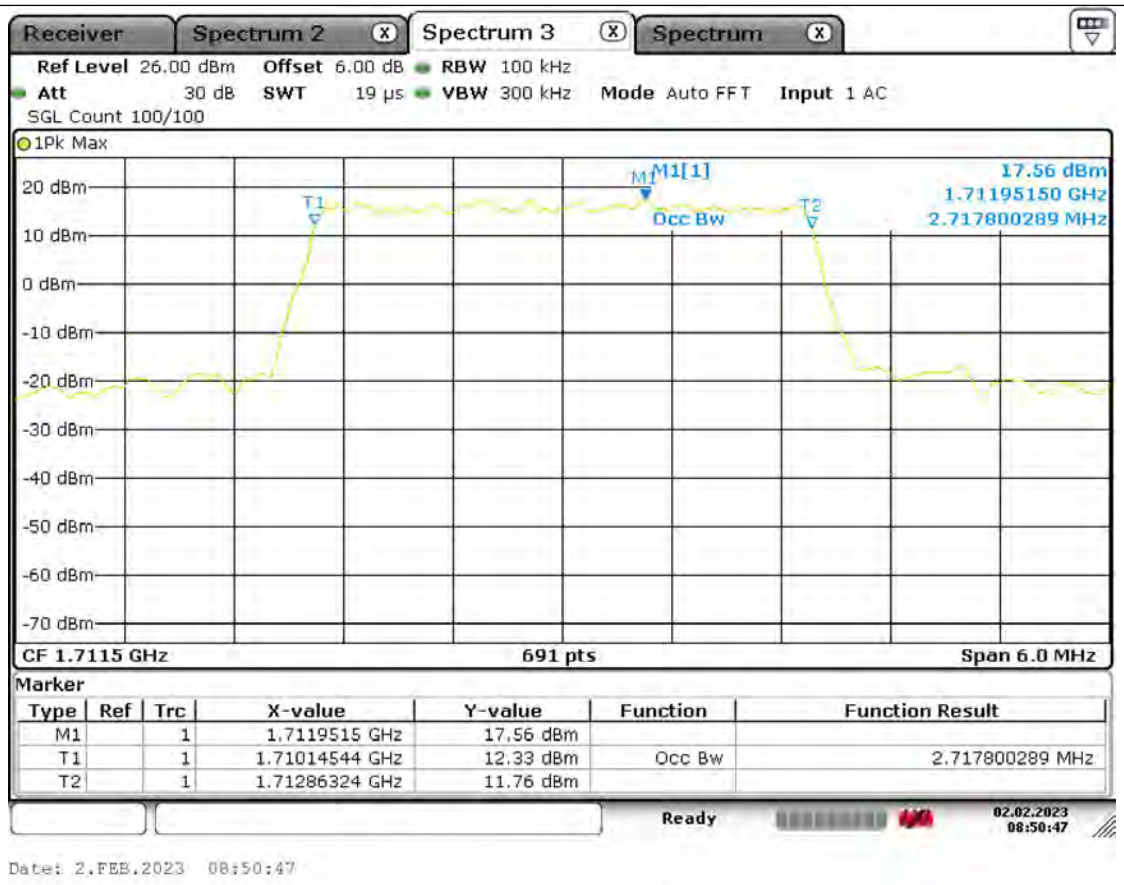
Band66-1.4MHz-16QAM-132322-6RB#0



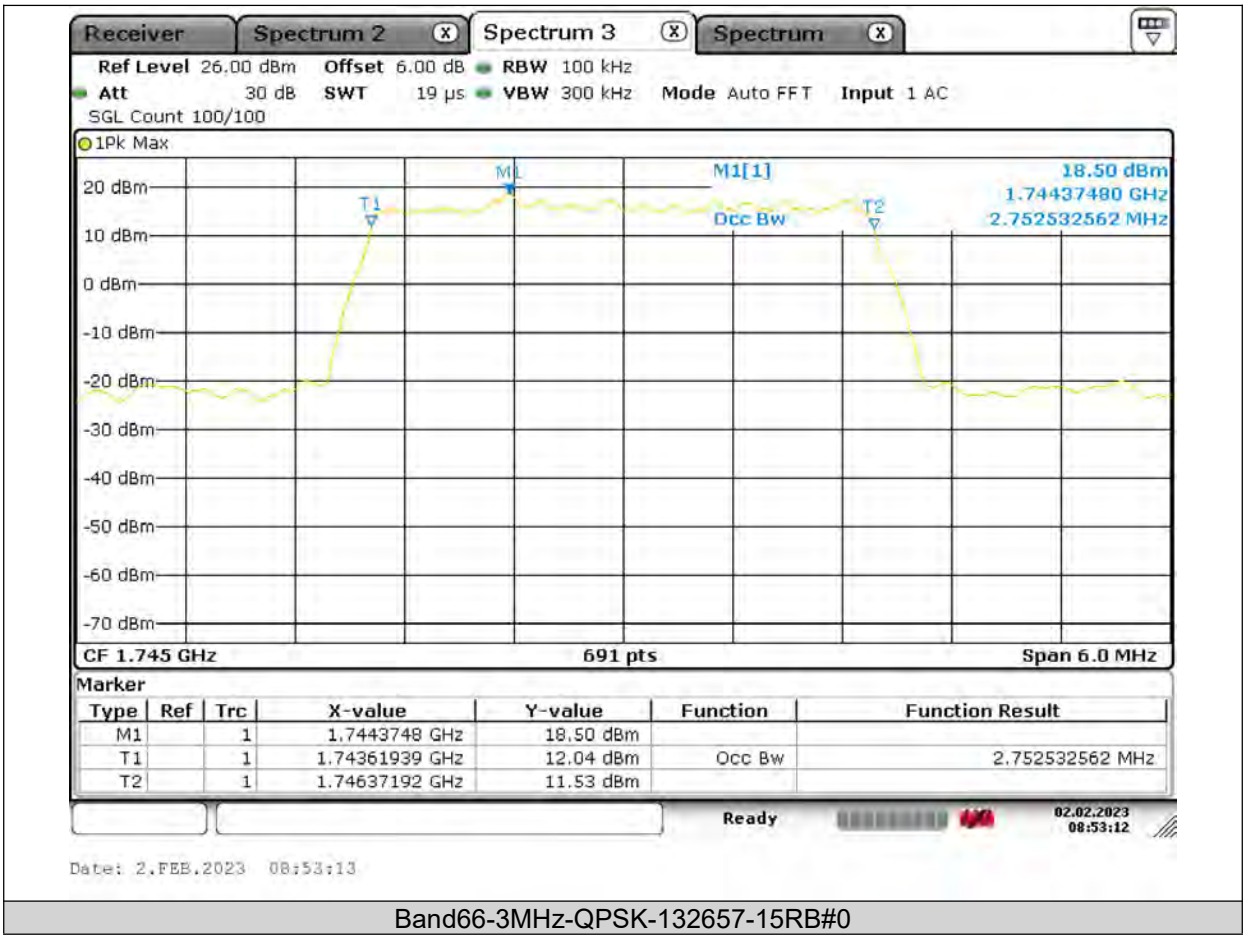
Band66-1.4MHz-16QAM-132665-6RB#0



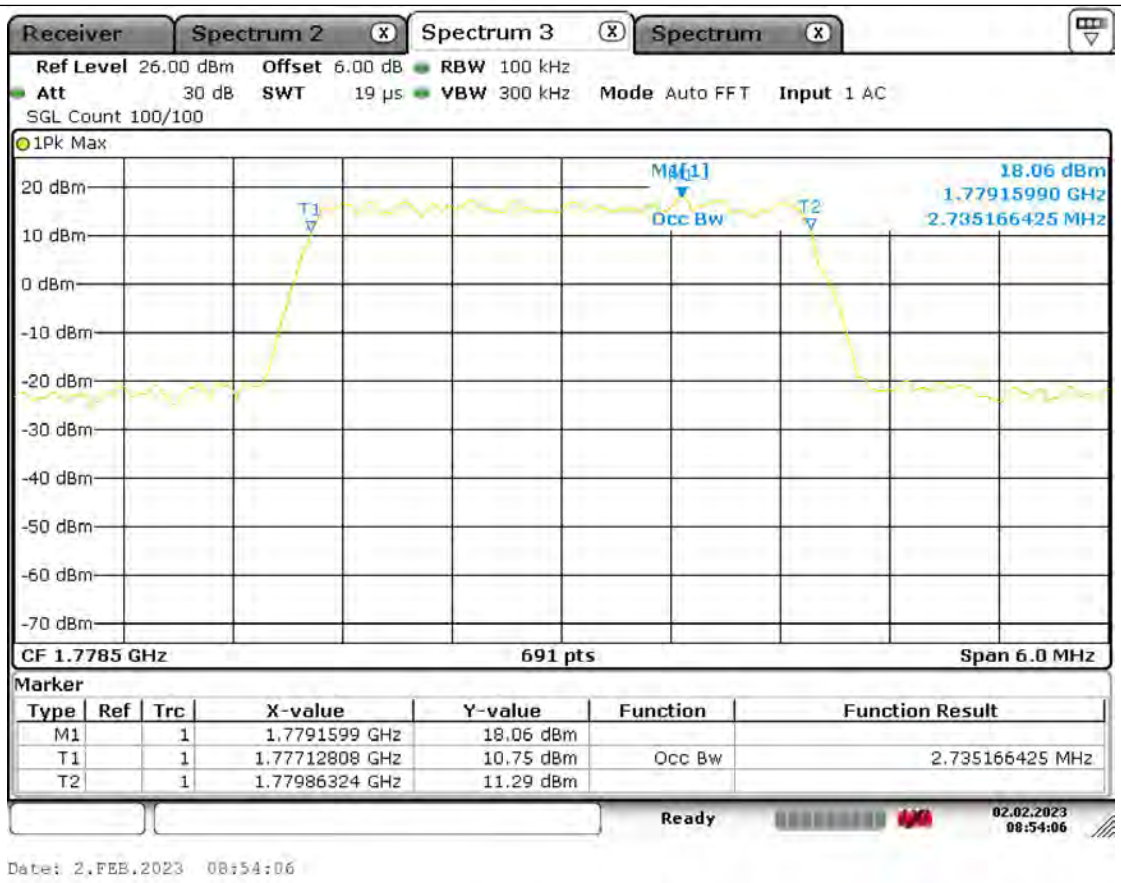
Band66-3MHz-QPSK-131987-15RB#0



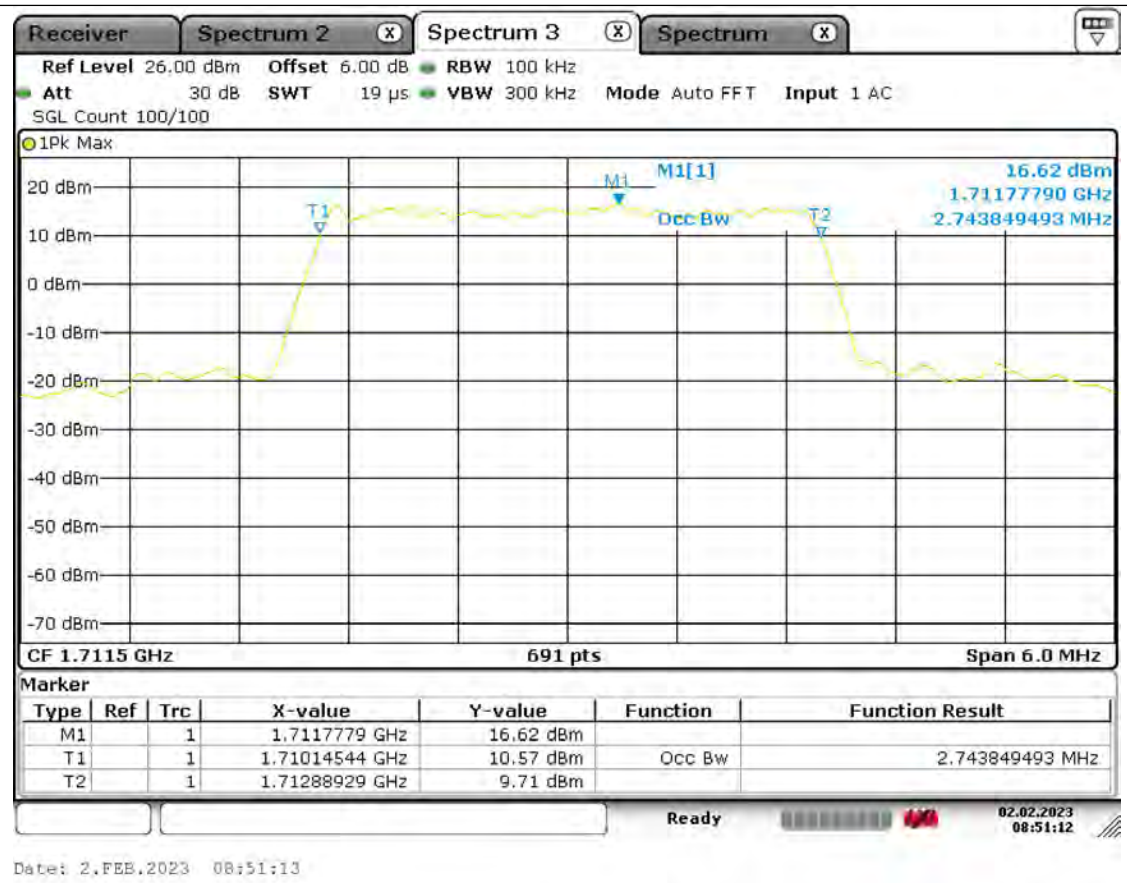
Band66-3MHz-QPSK-132322-15RB#0



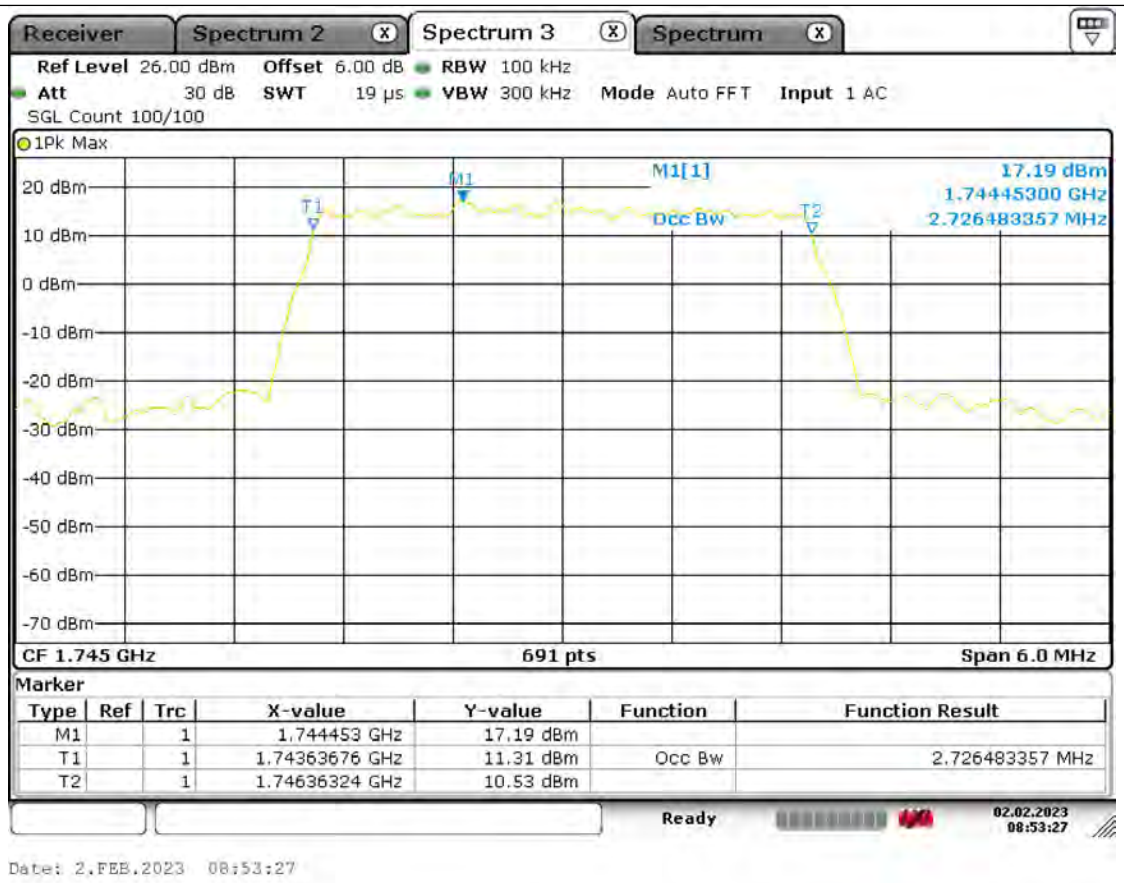
Band66-3MHz-QPSK-132657-15RB#0



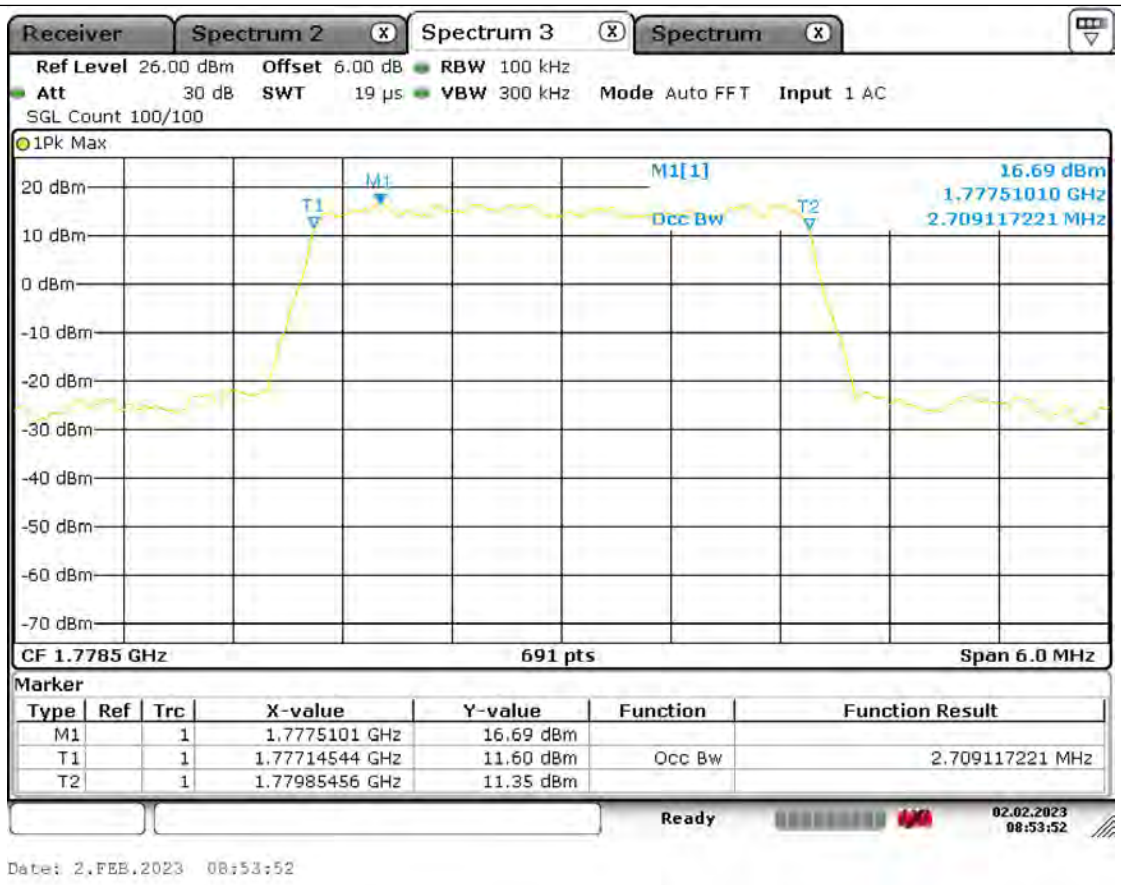
Band66-3MHz-16QAM-131987-15RB#0



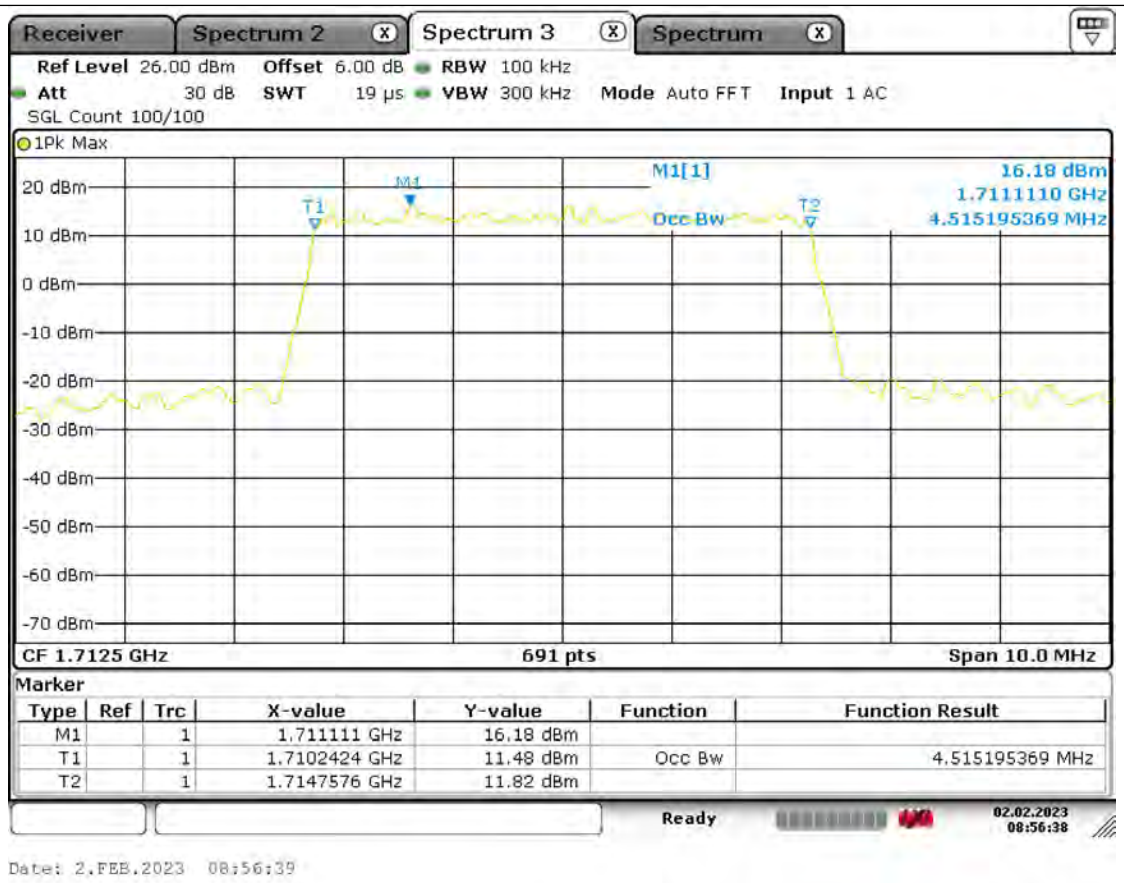
Band66-3MHz-16QAM-132322-15RB#0



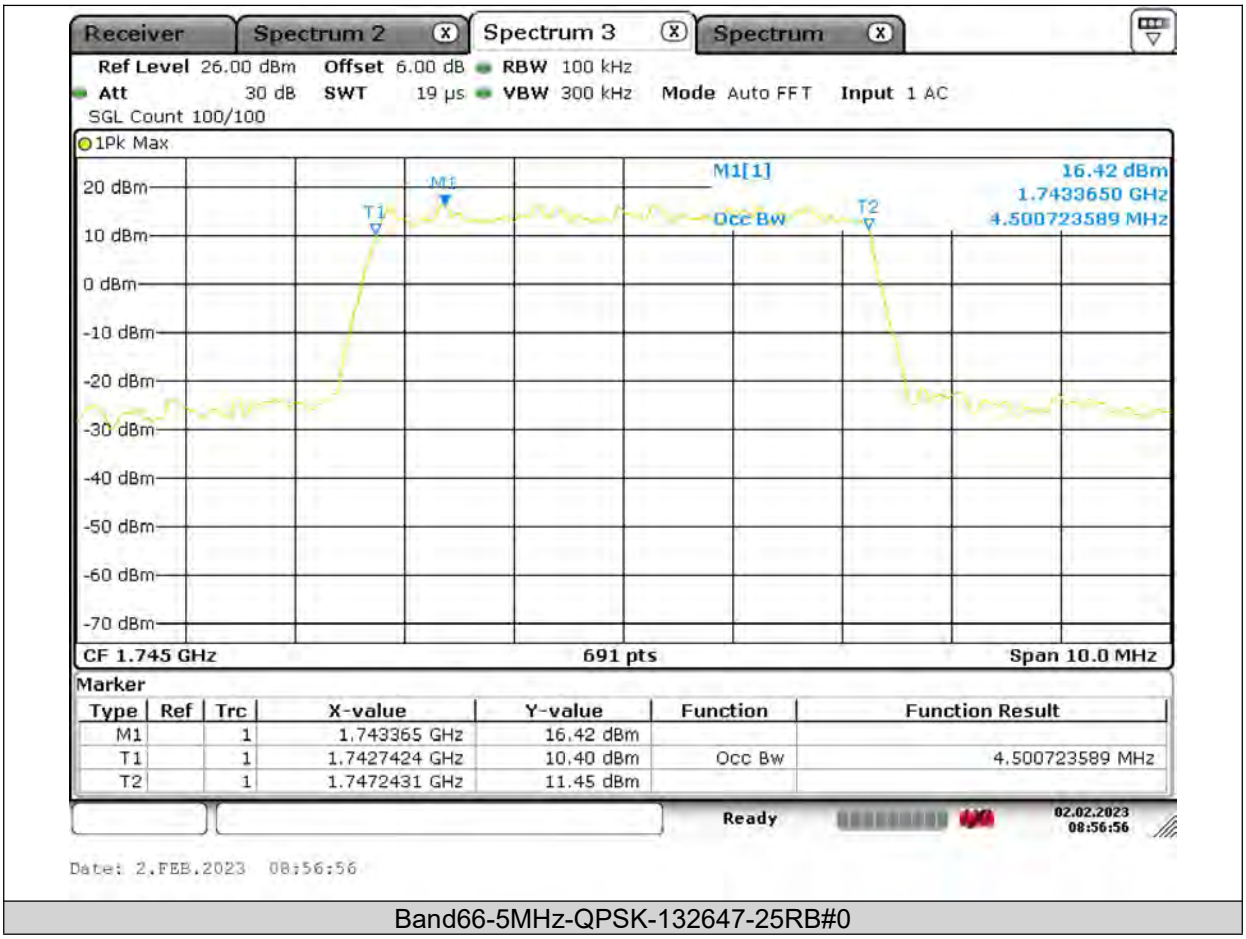
Band66-3MHz-16QAM-132657-15RB#0



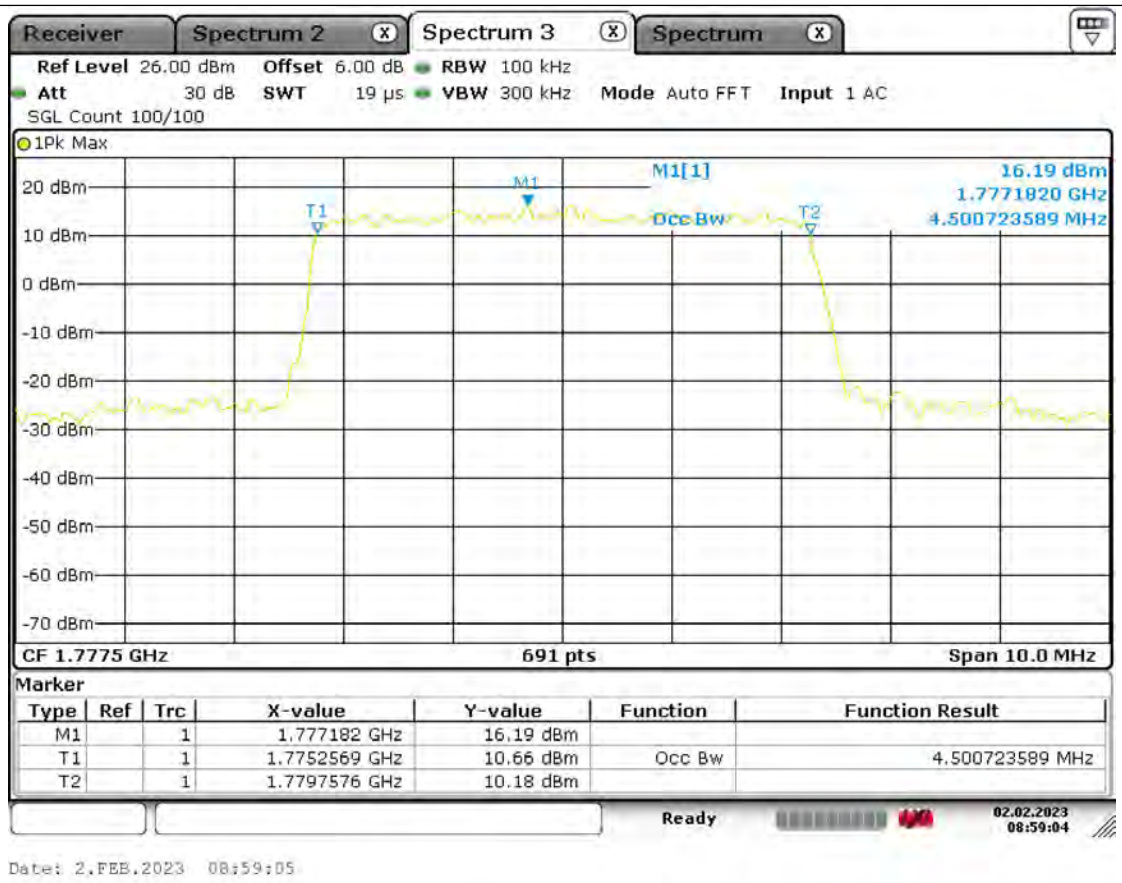
Band66-5MHz-QPSK-131997-25RB#0



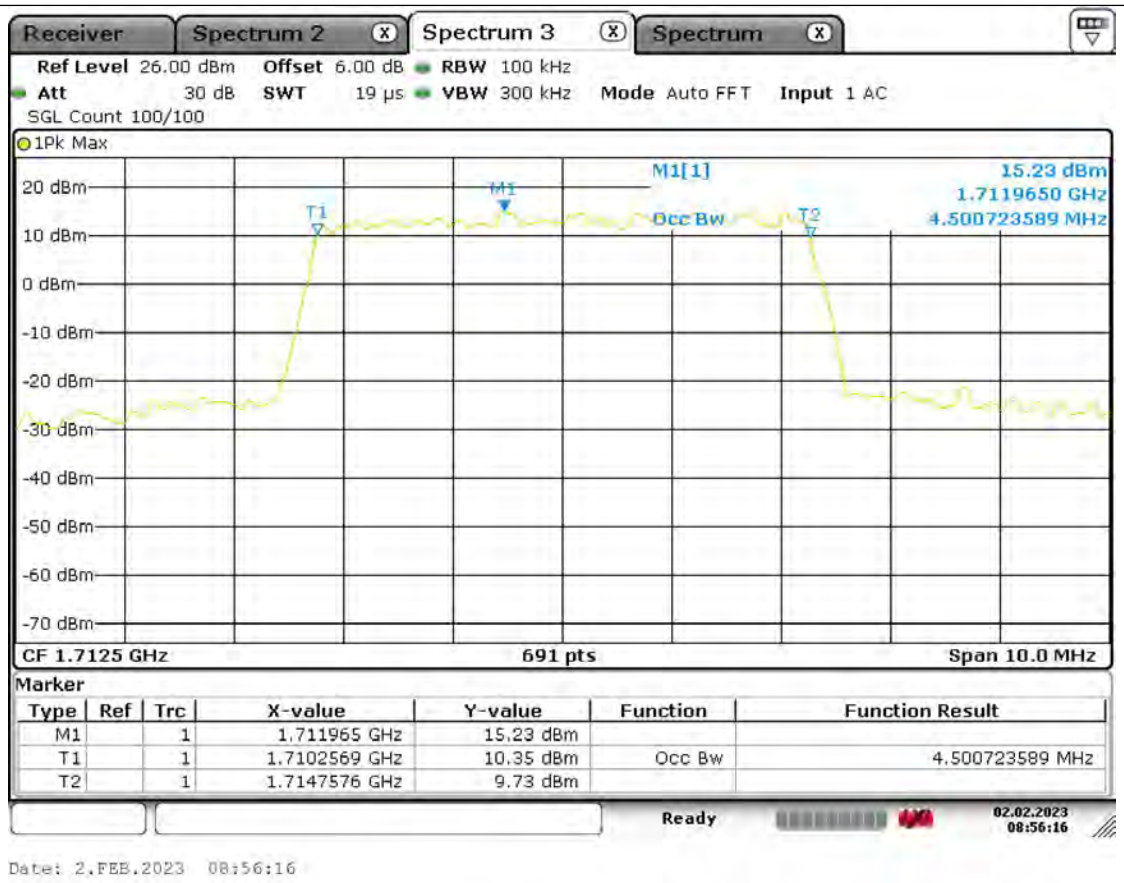
Band66-5MHz-QPSK-132322-25RB#0



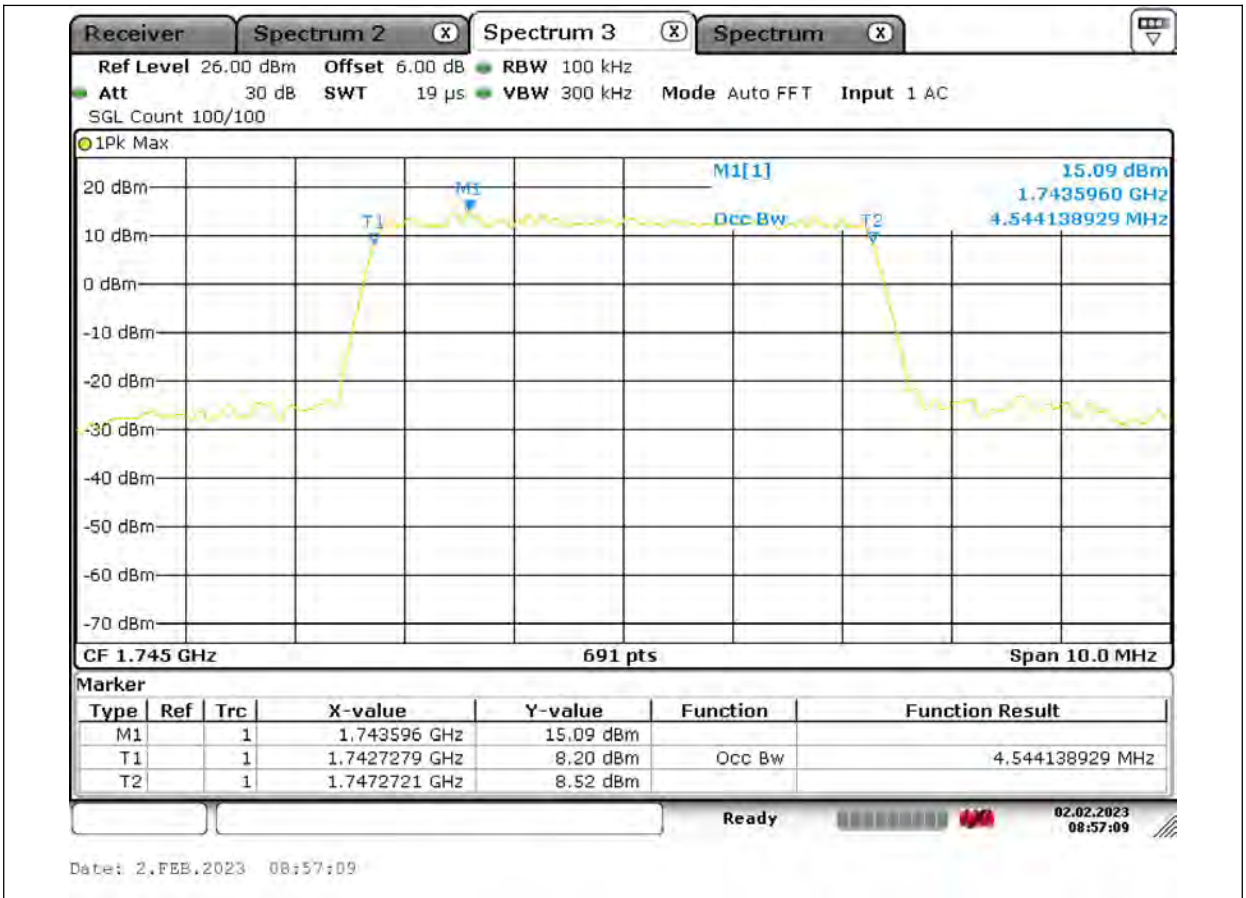
Band66-5MHz-QPSK-132647-25RB#0



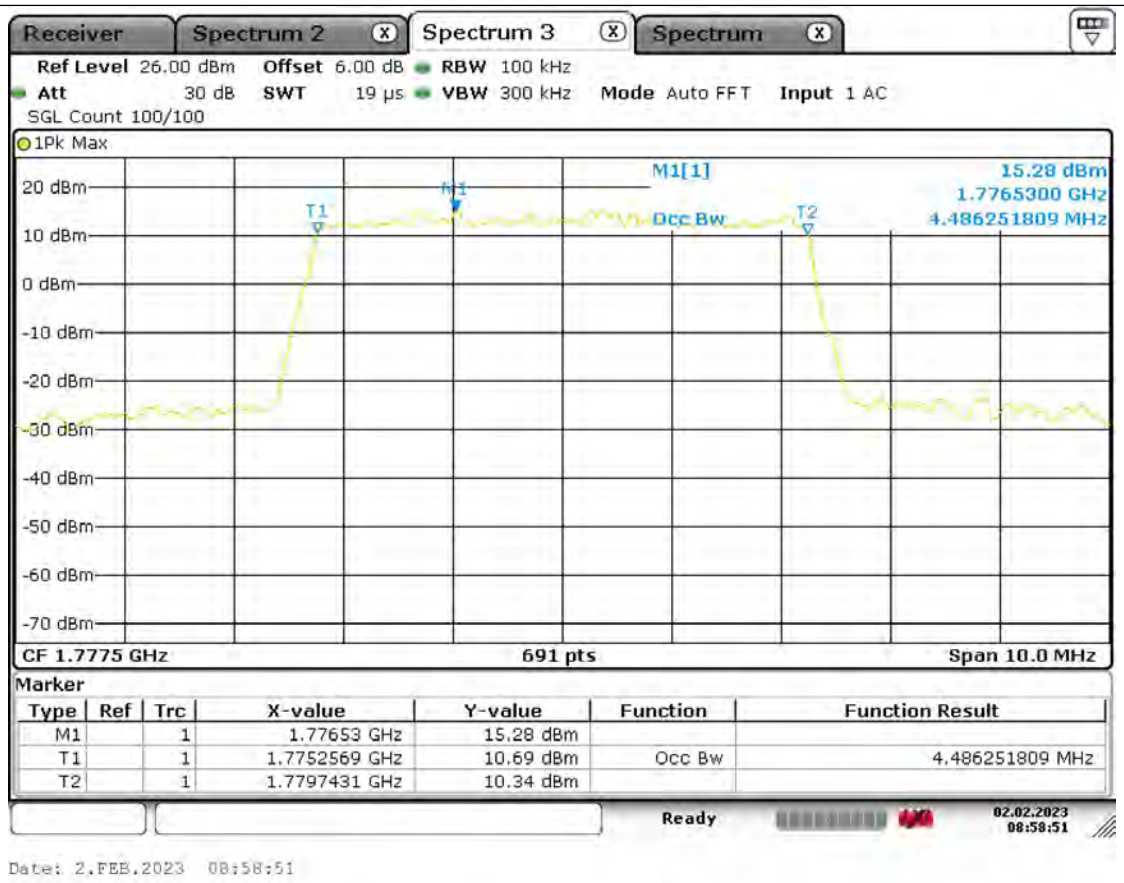
Band66-5MHz-16QAM-131997-25RB#0



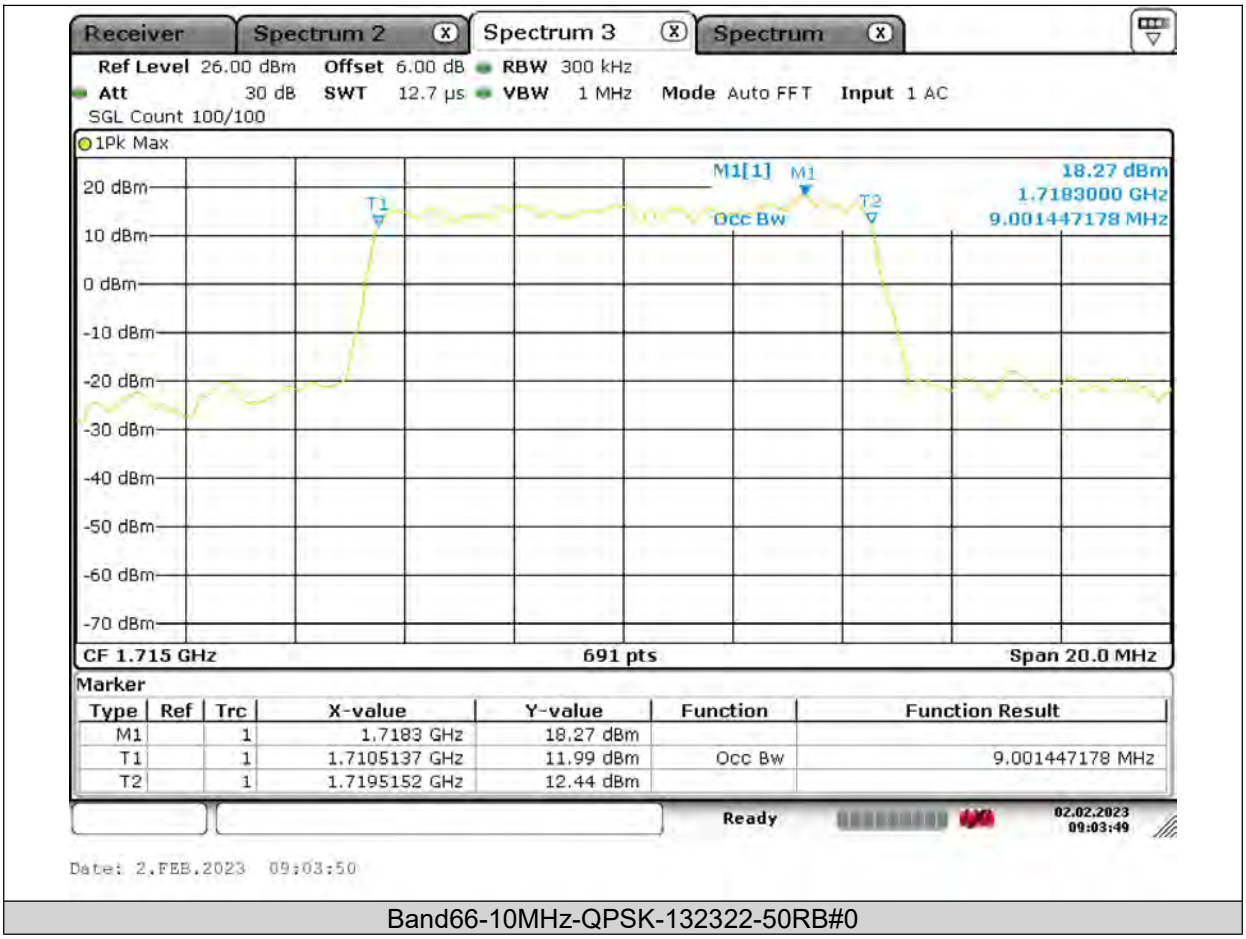
Band66-5MHz-16QAM-132322-25RB#0



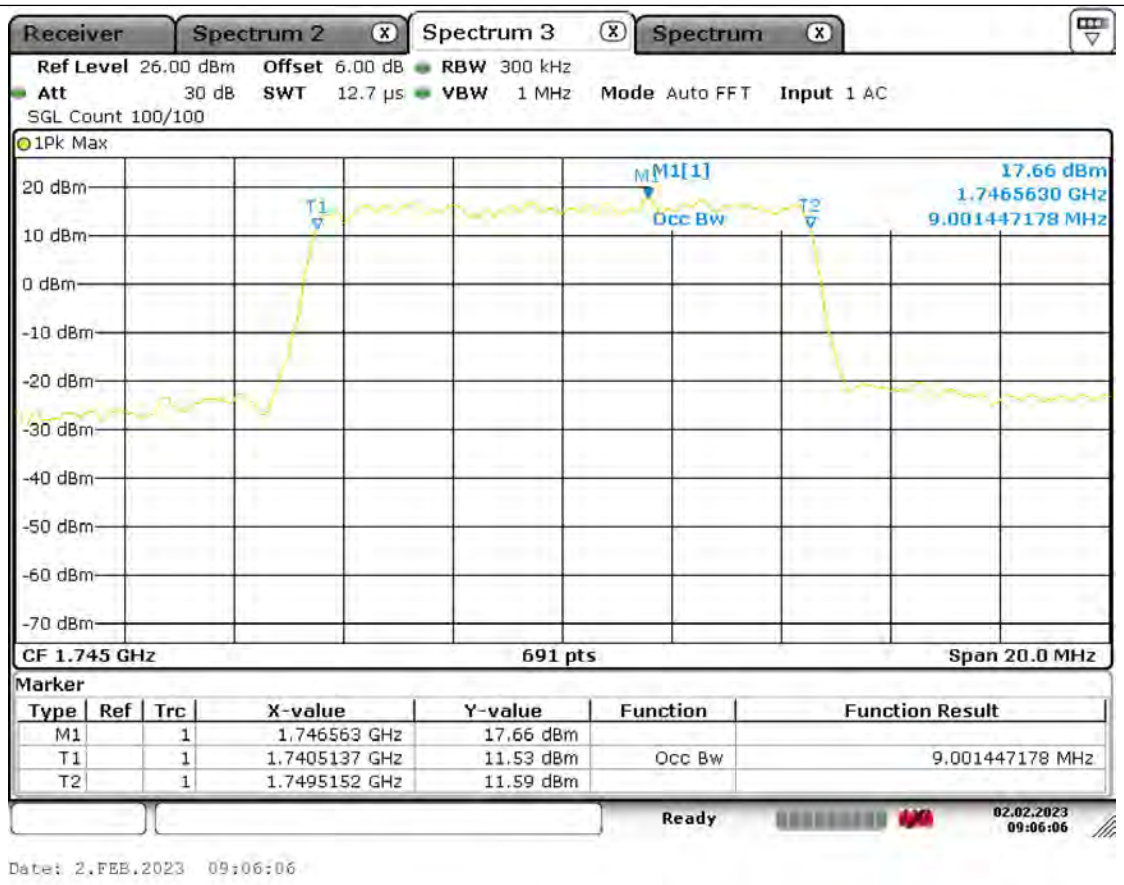
Band66-5MHz-16QAM-132647-25RB#0



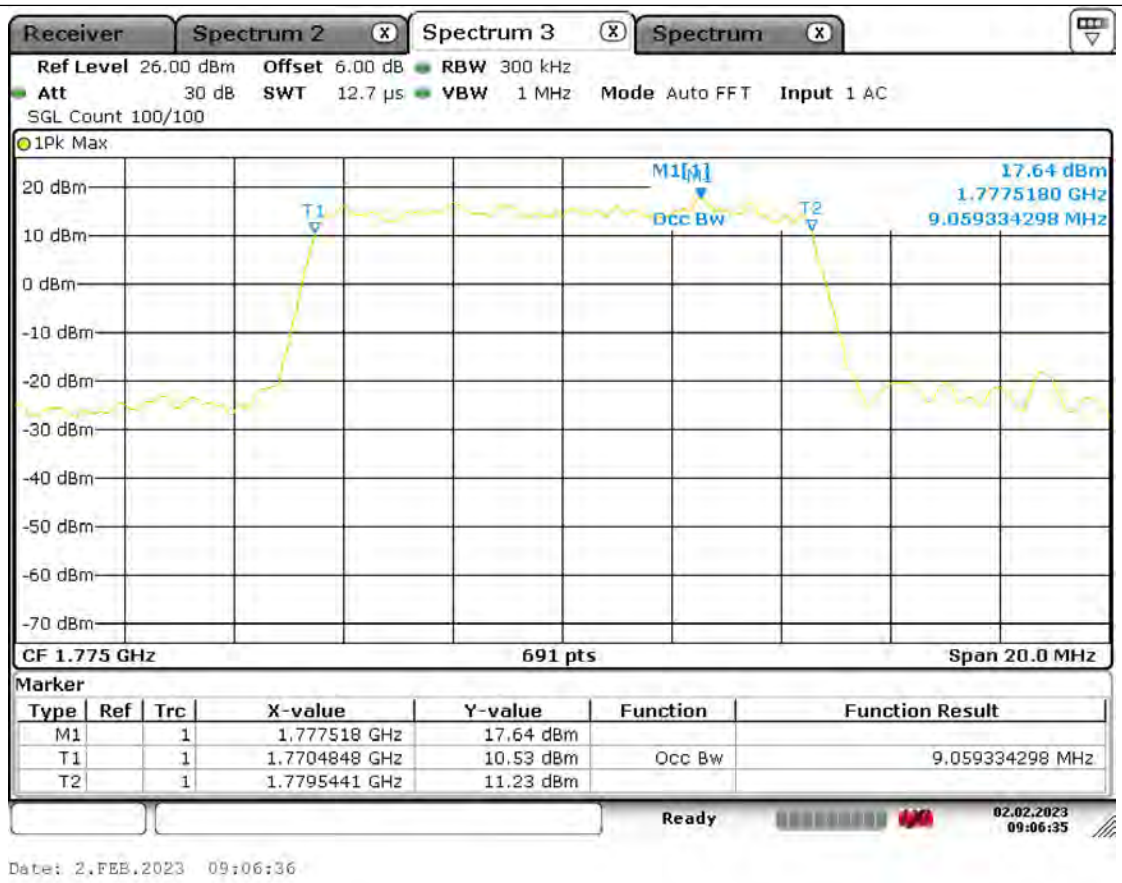
Band66-10MHz-QPSK-132022-50RB#0



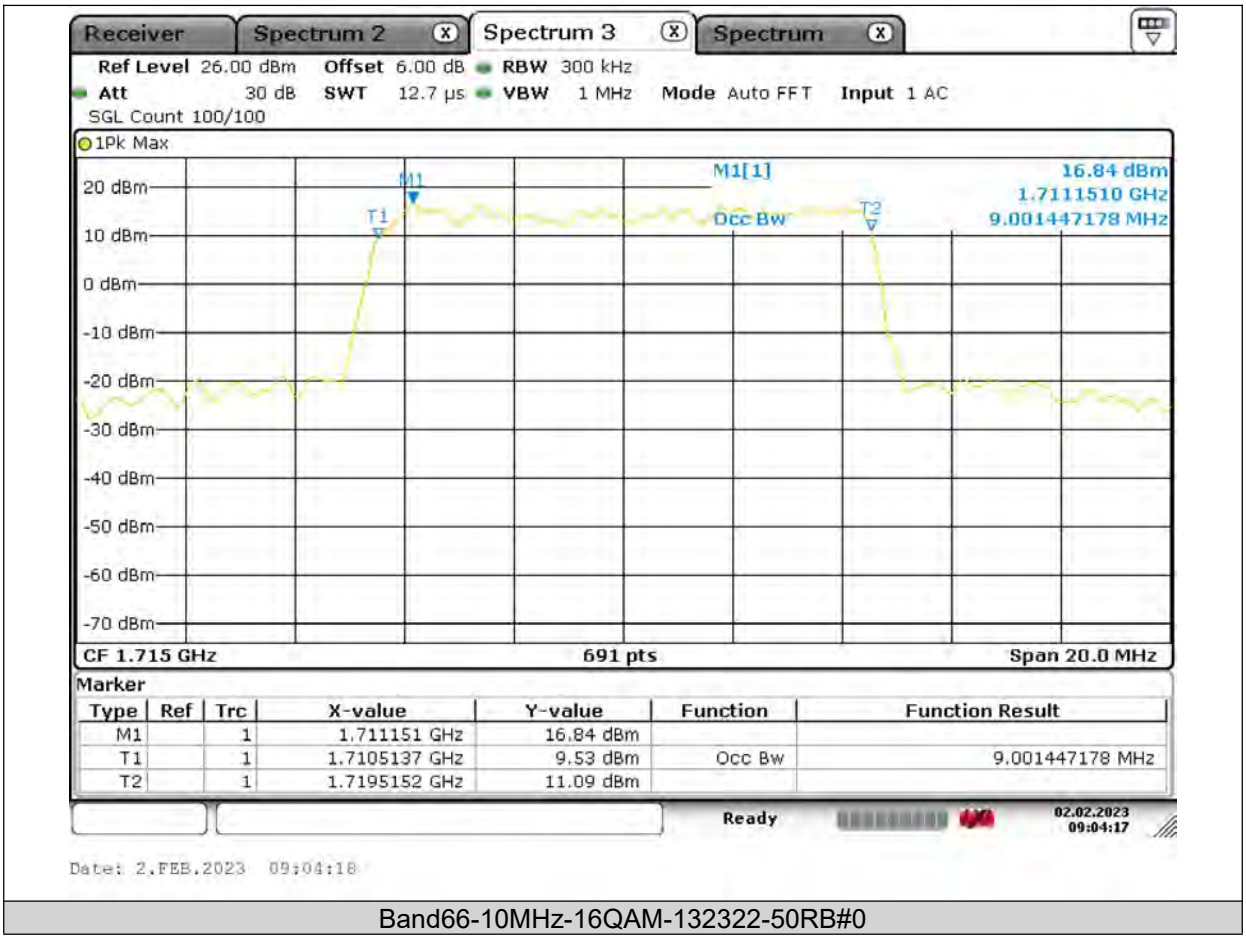
Band66-10MHz-QPSK-132322-50RB#0



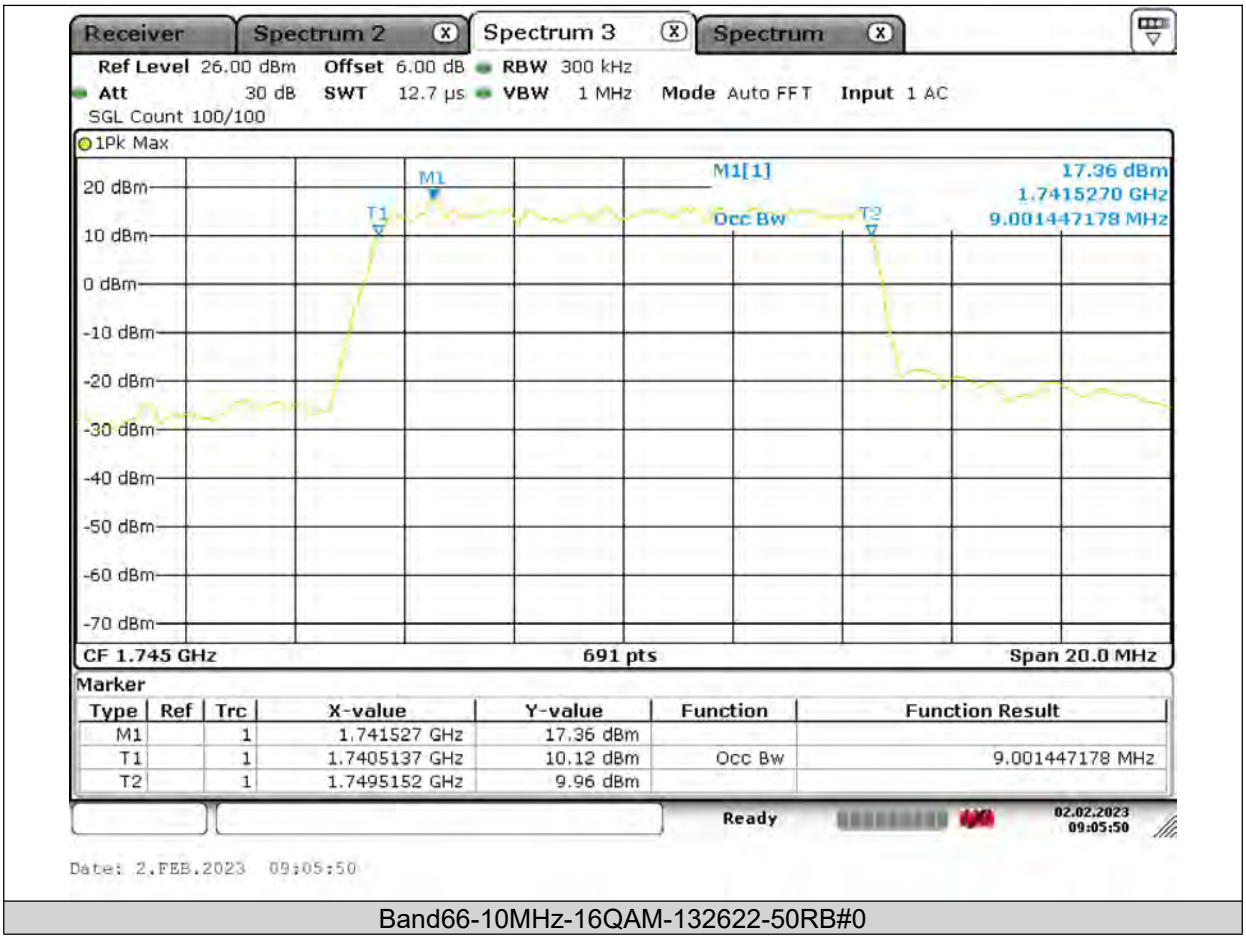
Band66-10MHz-QPSK-132622-50RB#0



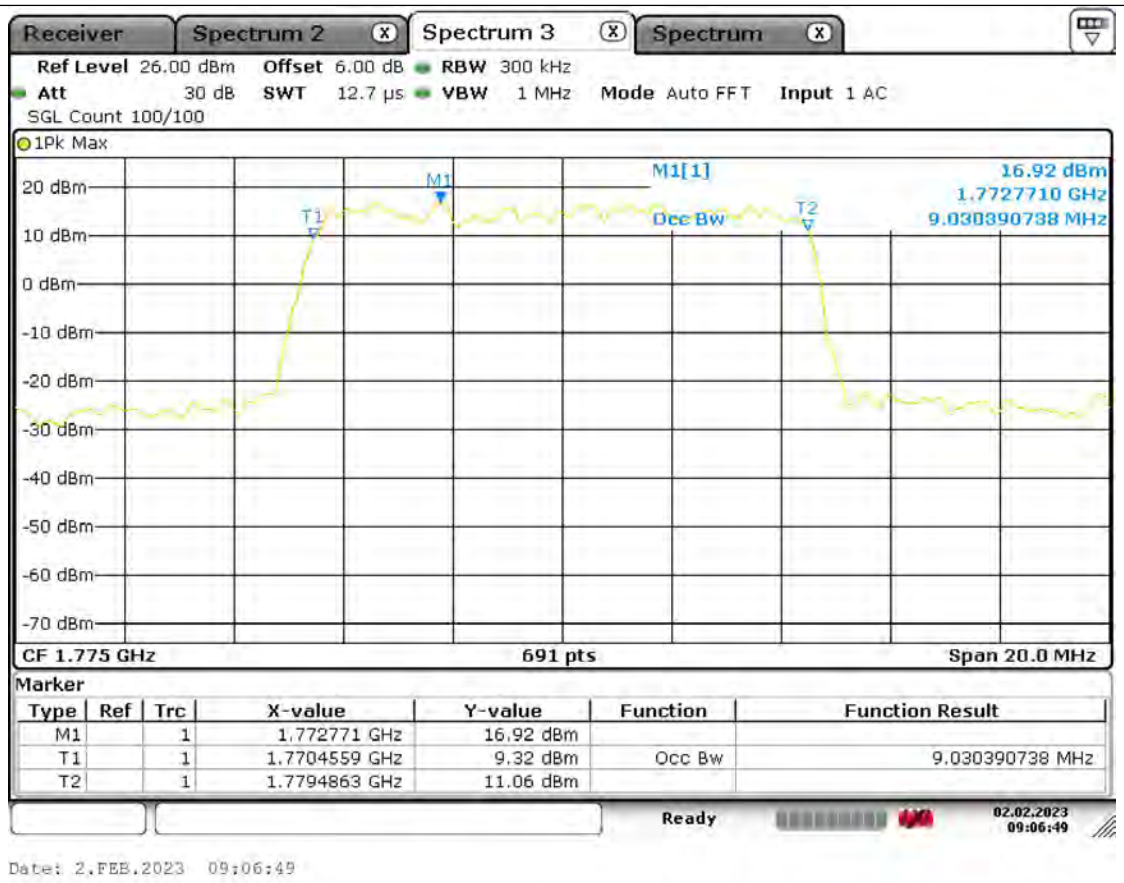
Band66-10MHz-16QAM-132022-50RB#0



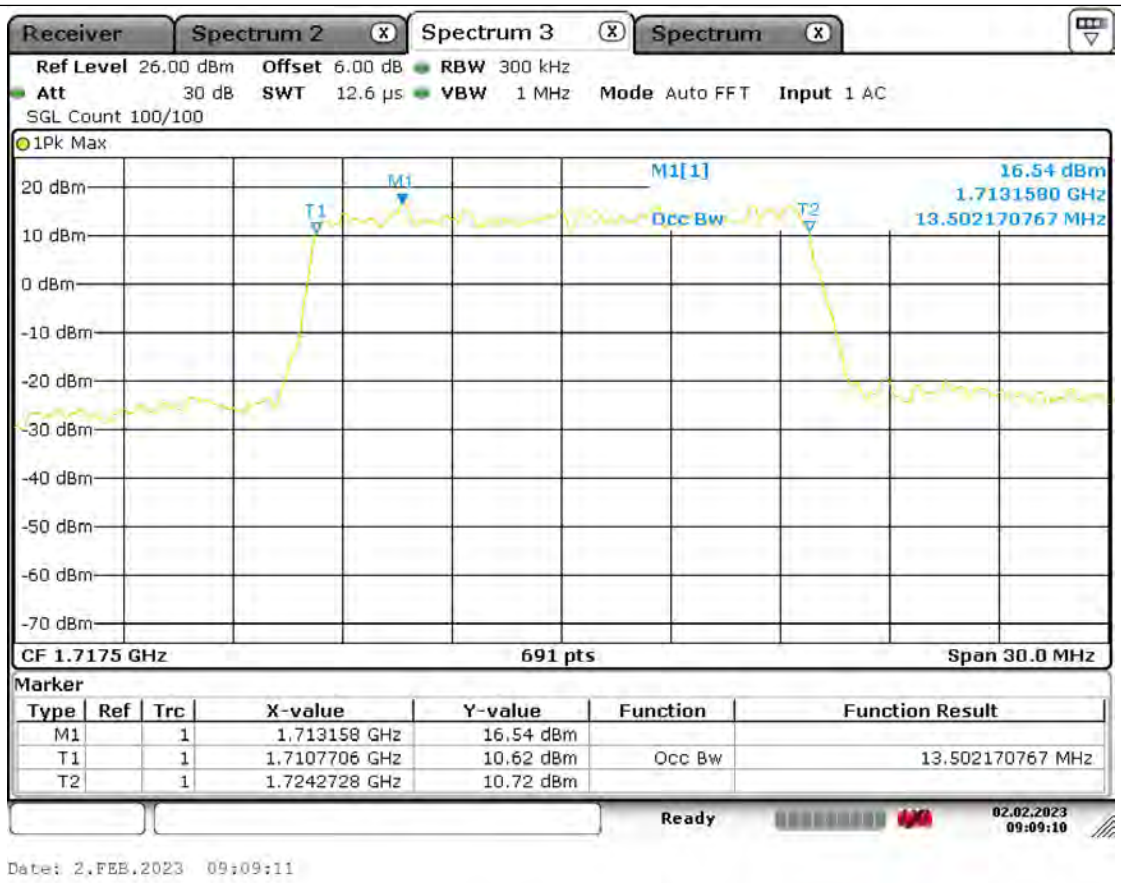
Band66-10MHz-16QAM-132322-50RB#0



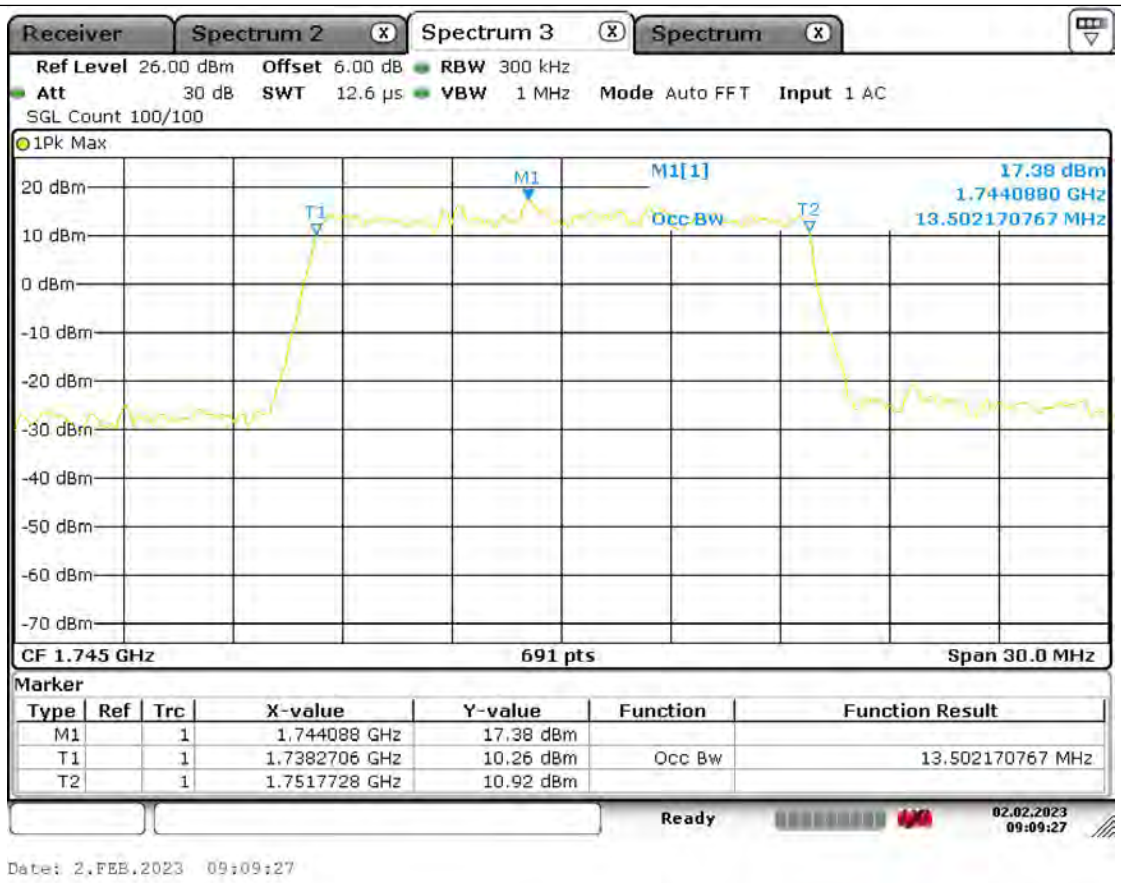
Band66-10MHz-16QAM-132622-50RB#0



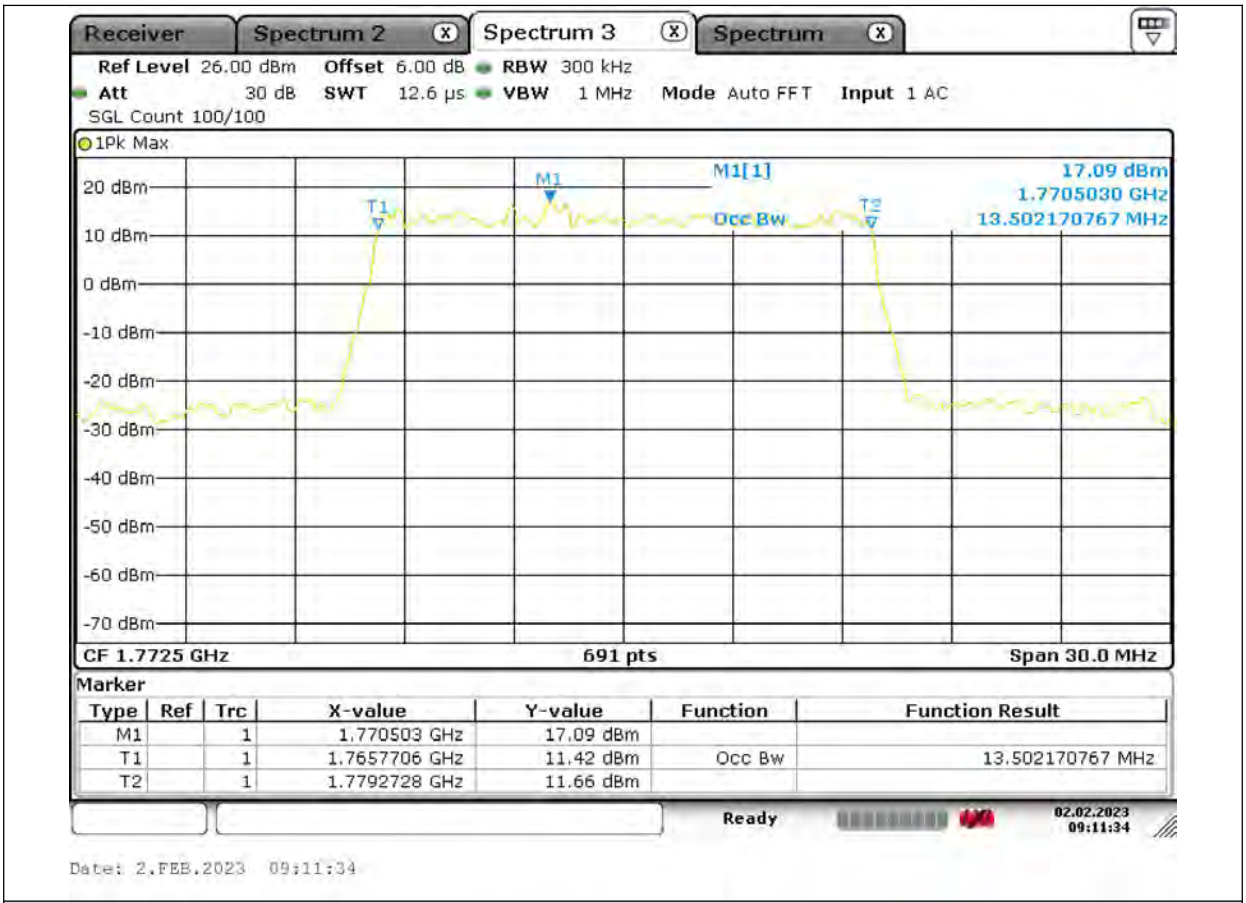
Band66-15MHz-QPSK-132047-75RB#0



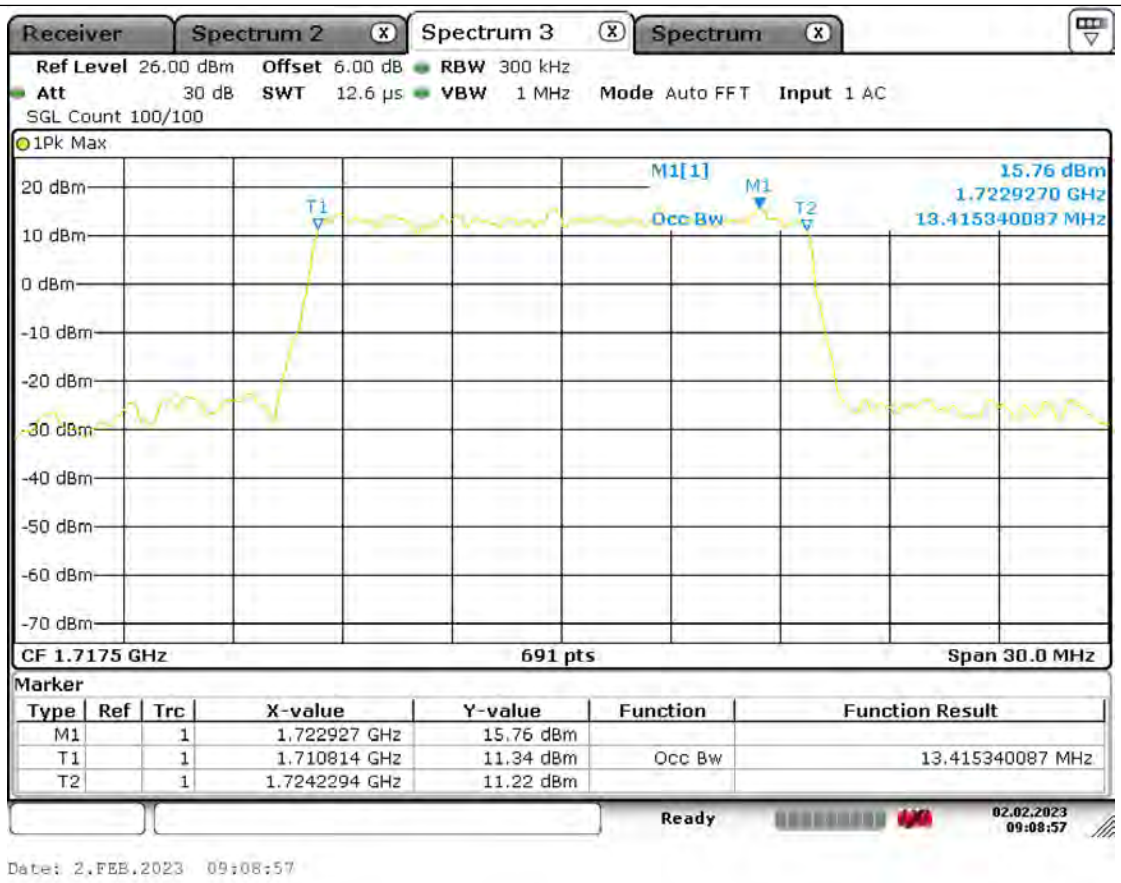
Band66-15MHz-QPSK-132322-75RB#0



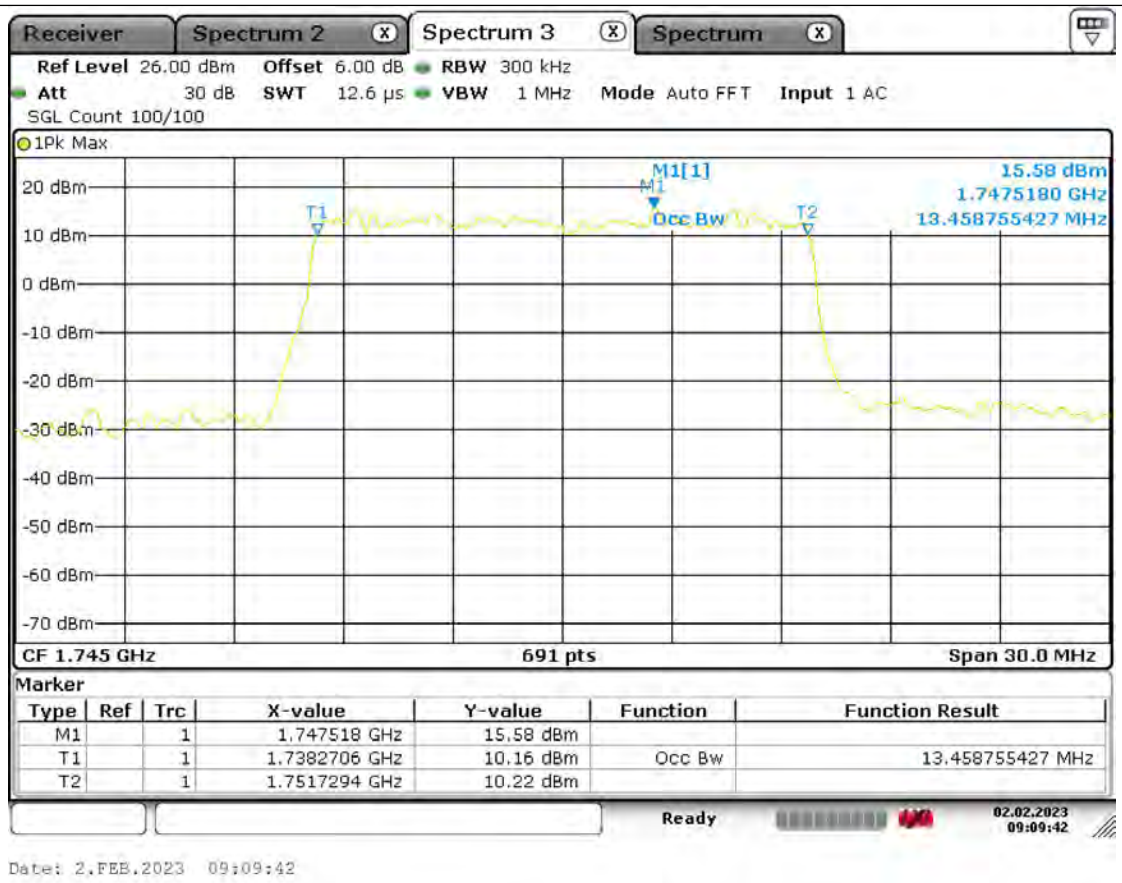
Band66-15MHz-QPSK-132597-75RB#0



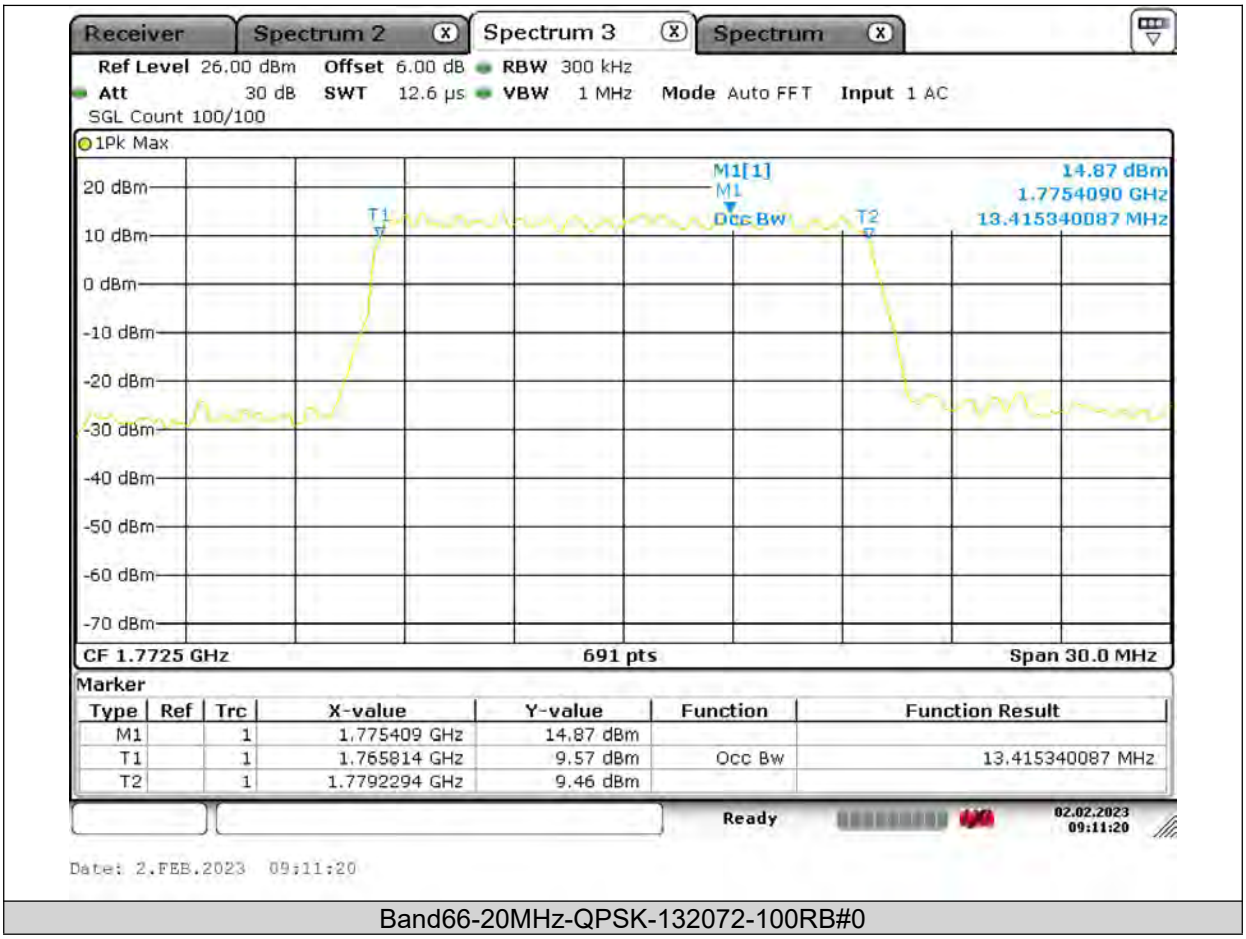
Band66-15MHz-16QAM-132047-75RB#0



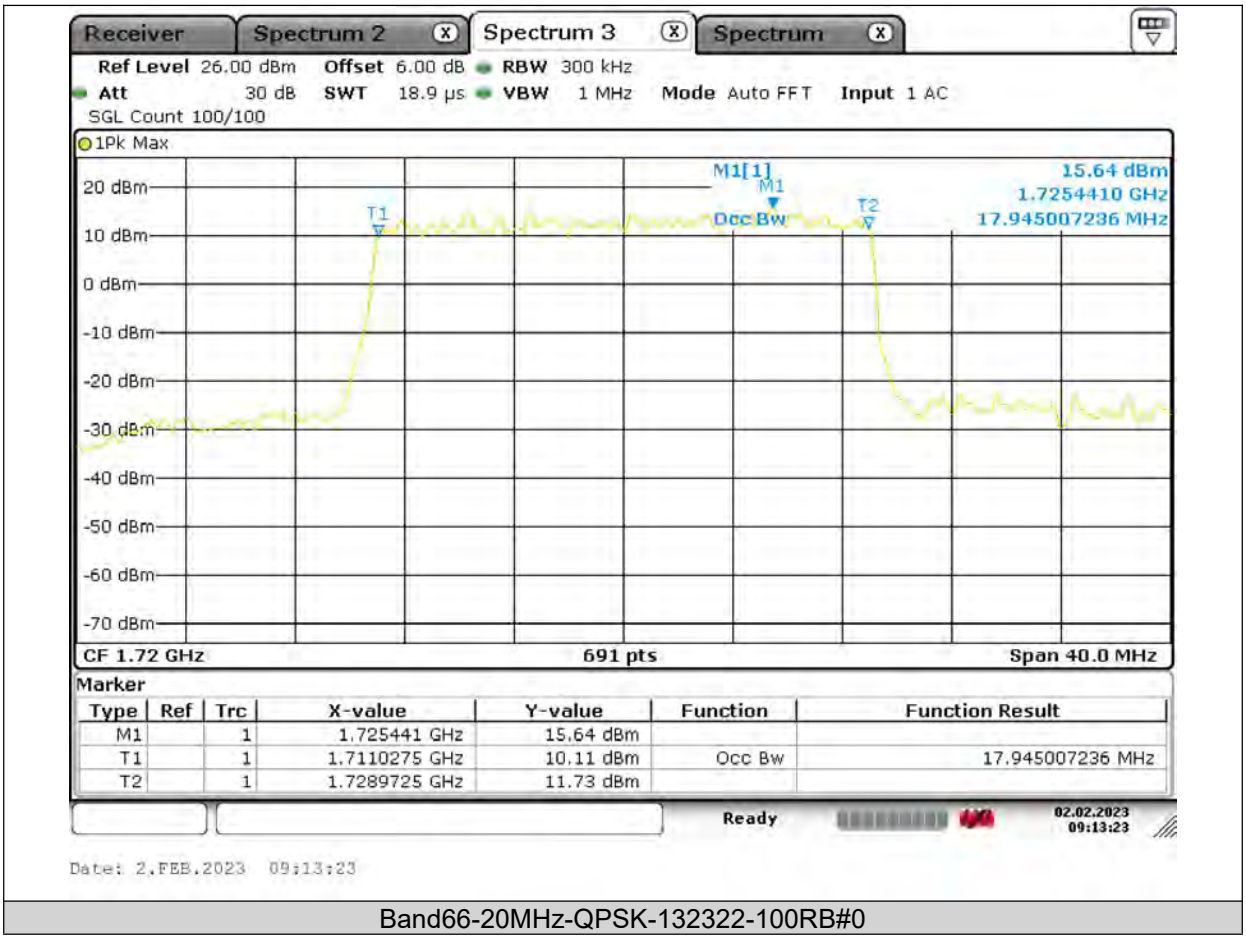
Band66-15MHz-16QAM-132322-75RB#0



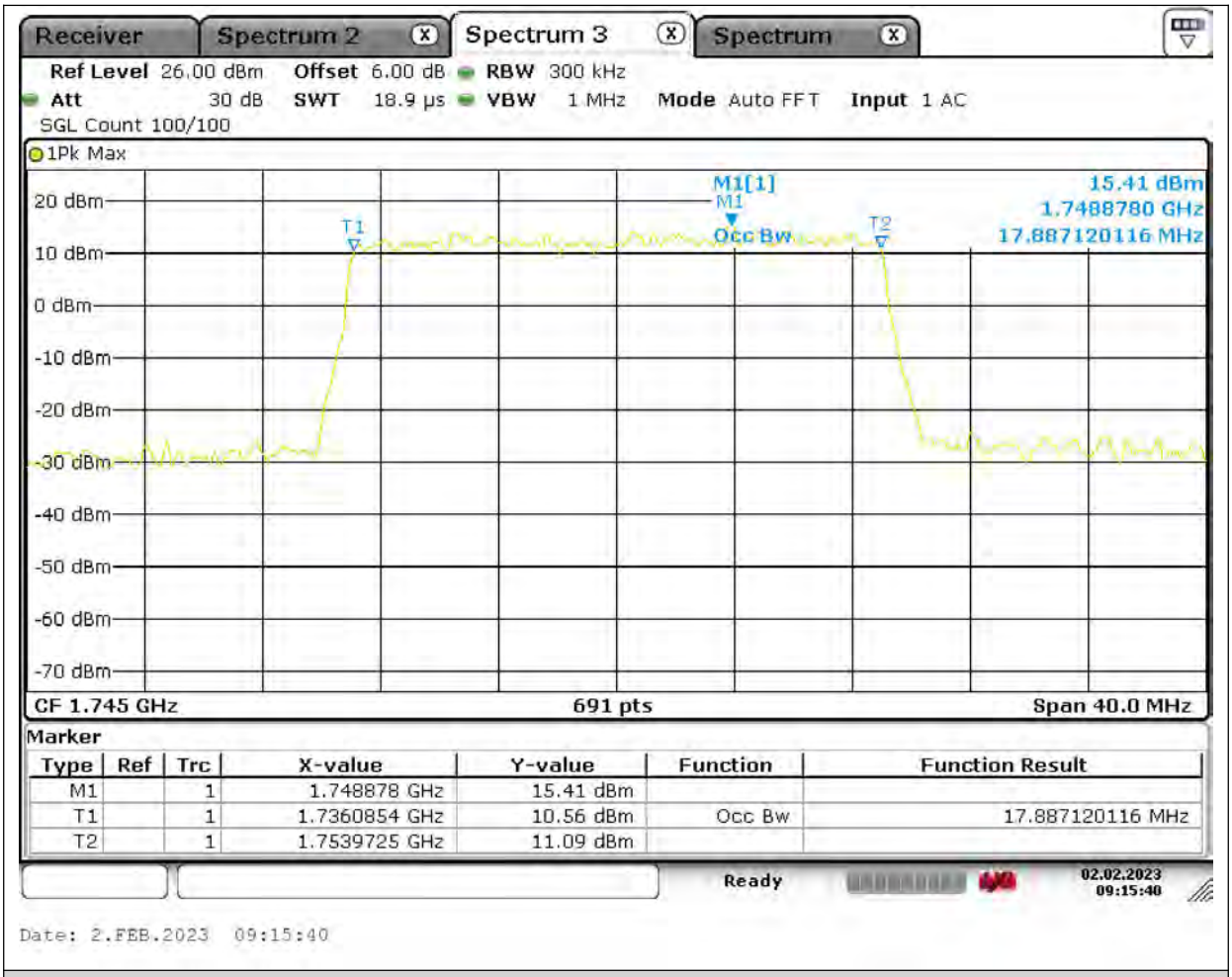
Band66-15MHz-16QAM-132597-75RB#0



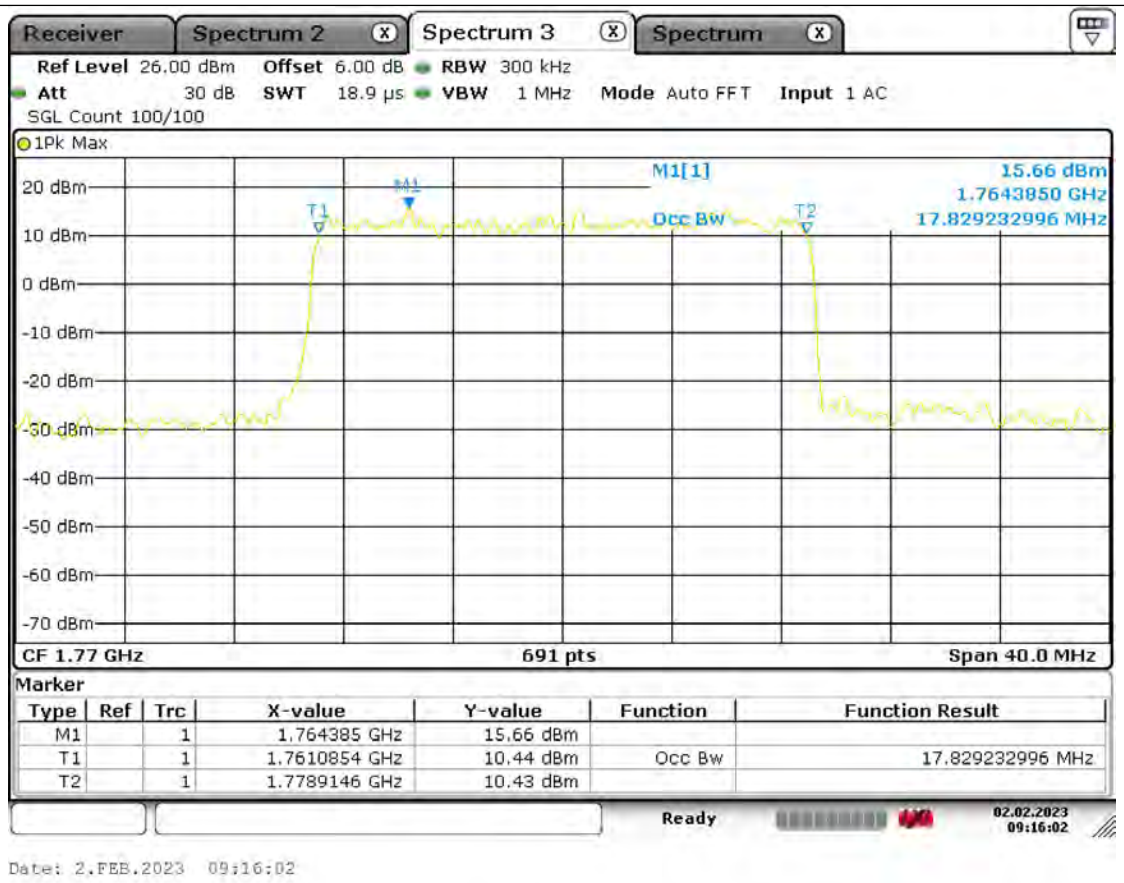
Band66-20MHz-QPSK-132072-100RB#0



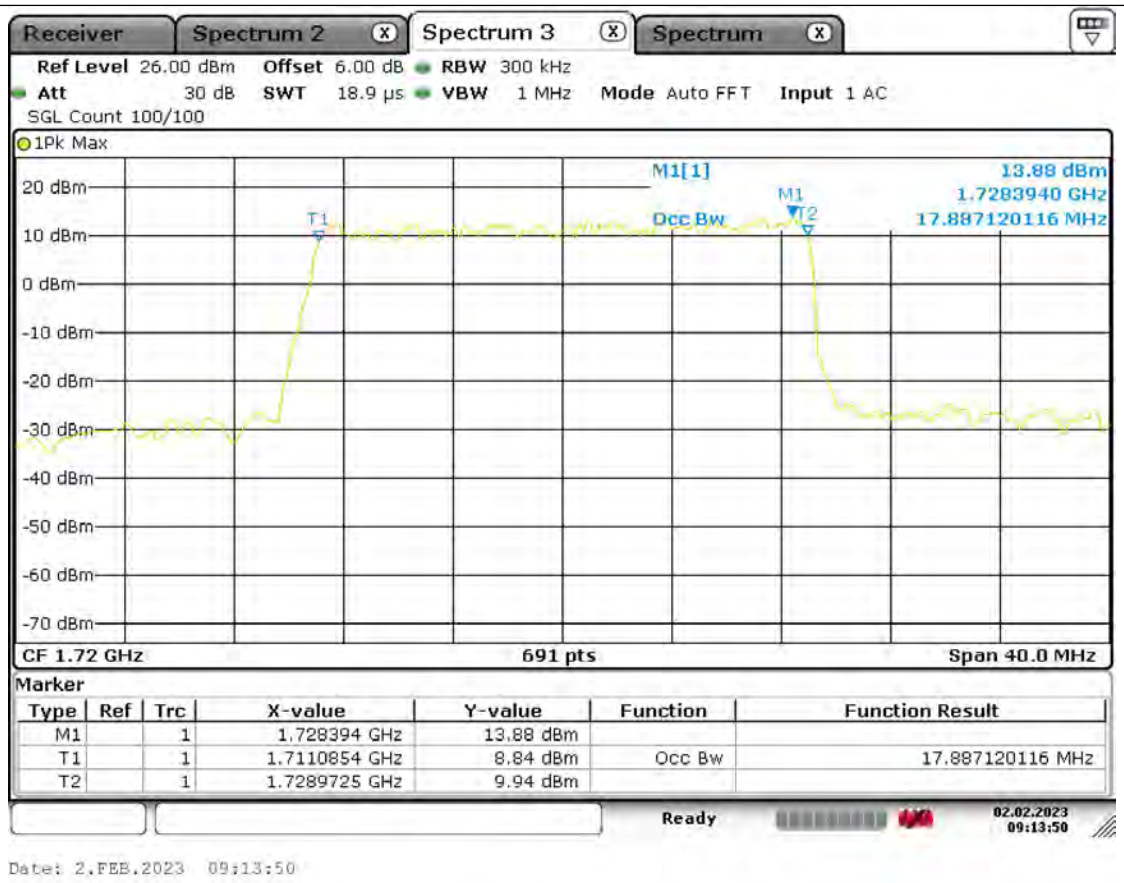
Band66-20MHz-QPSK-132322-100RB#0



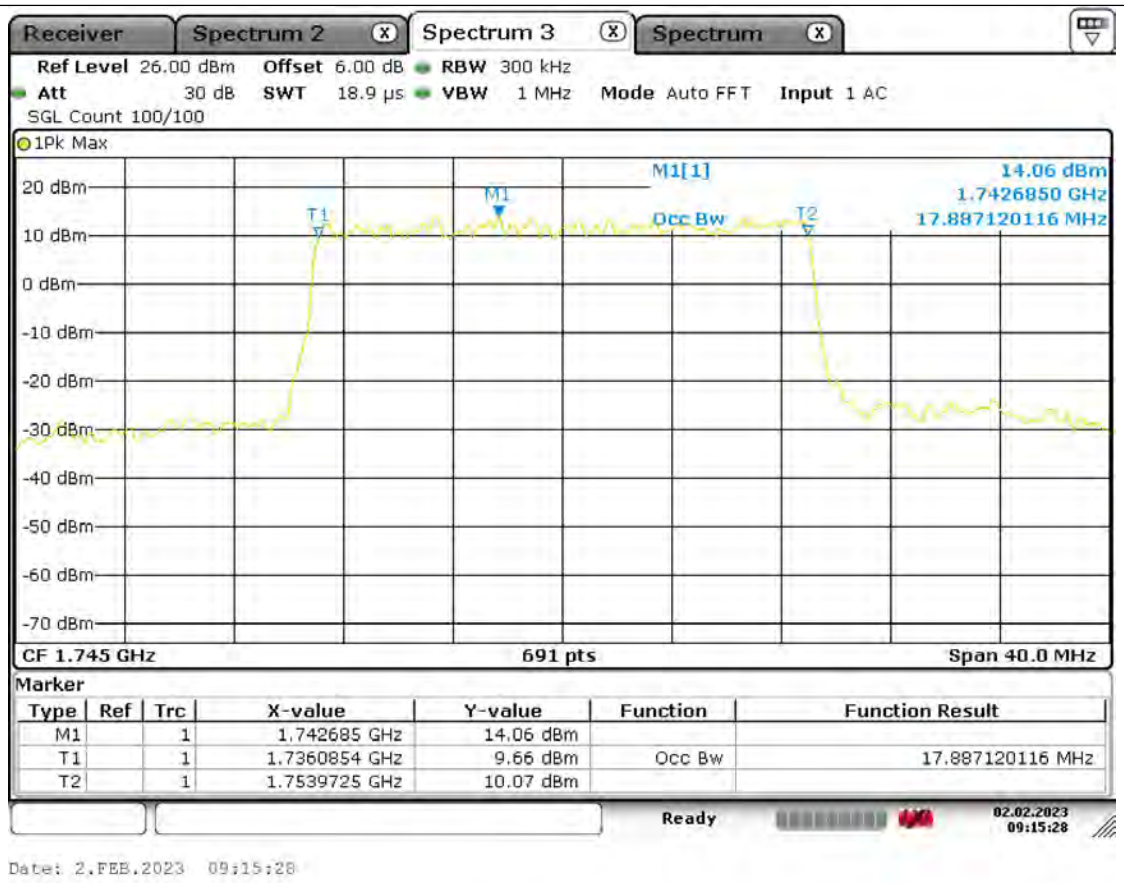
Band66-20MHz-QPSK-132572-100RB#0



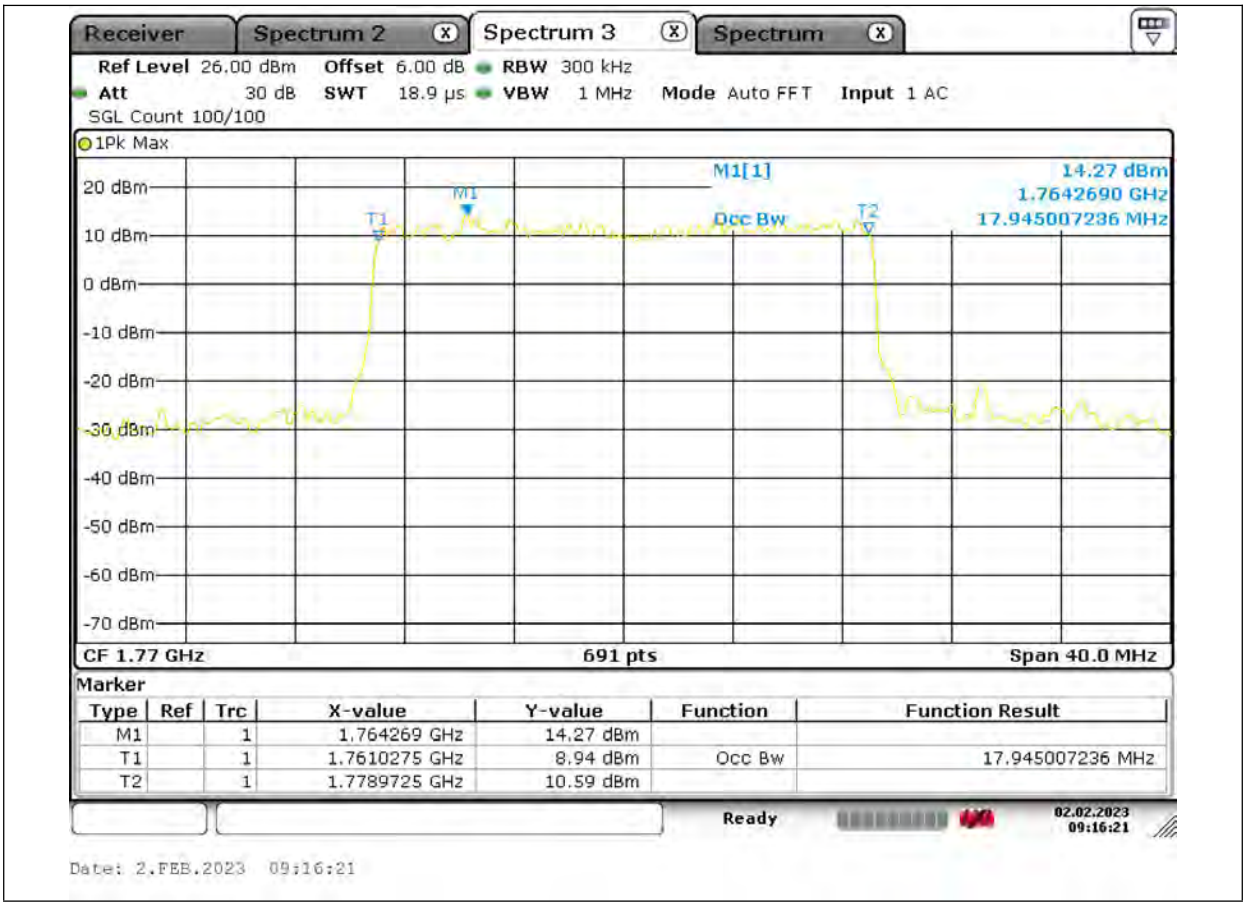
Band66-20MHz-16QAM-132072-100RB#0



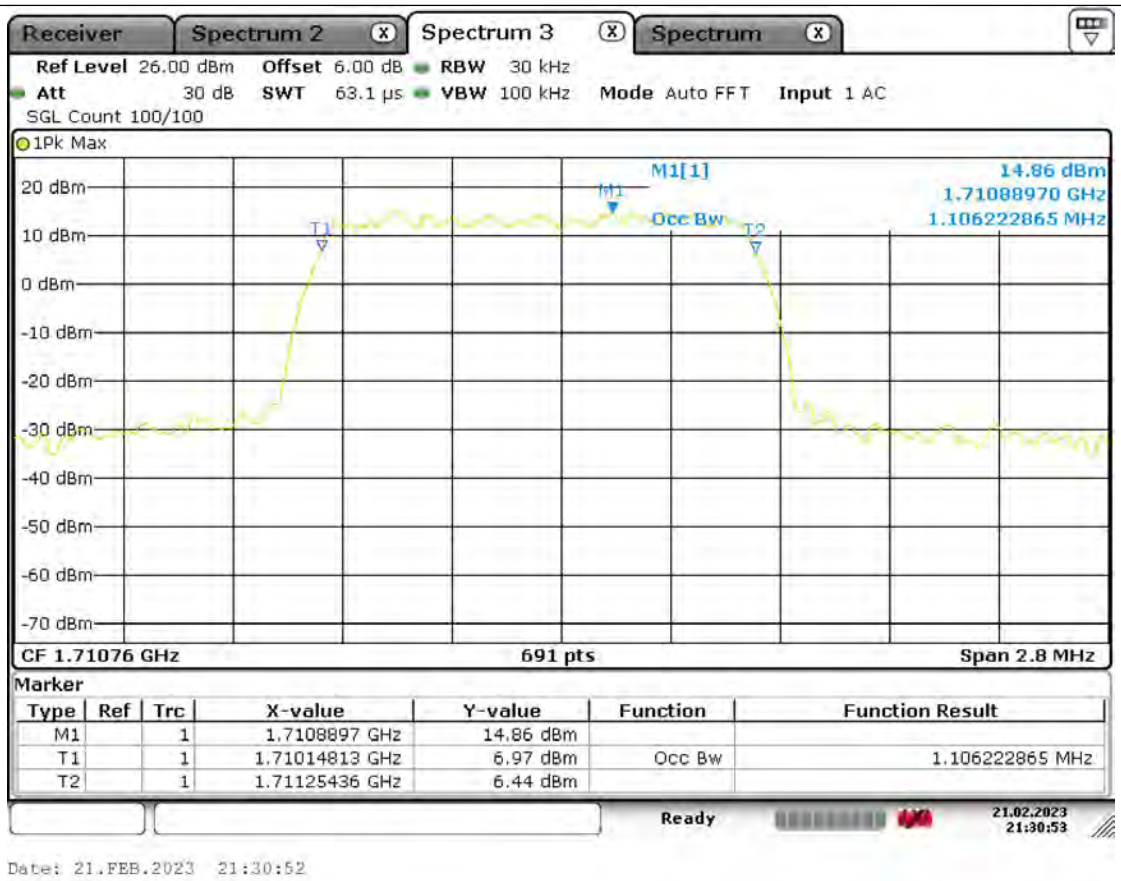
Band66-20MHz-16QAM-132322-100RB#0



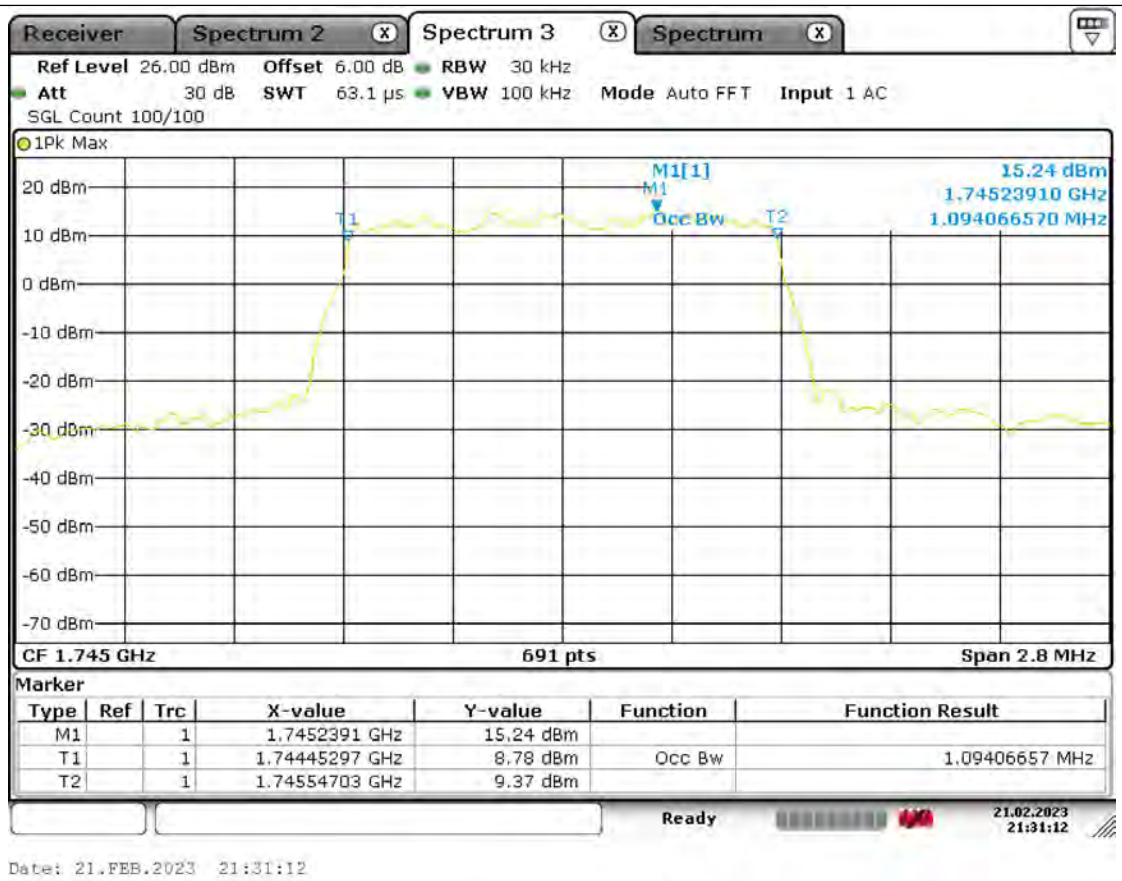
Band66-20MHz-16QAM-132572-100RB#0



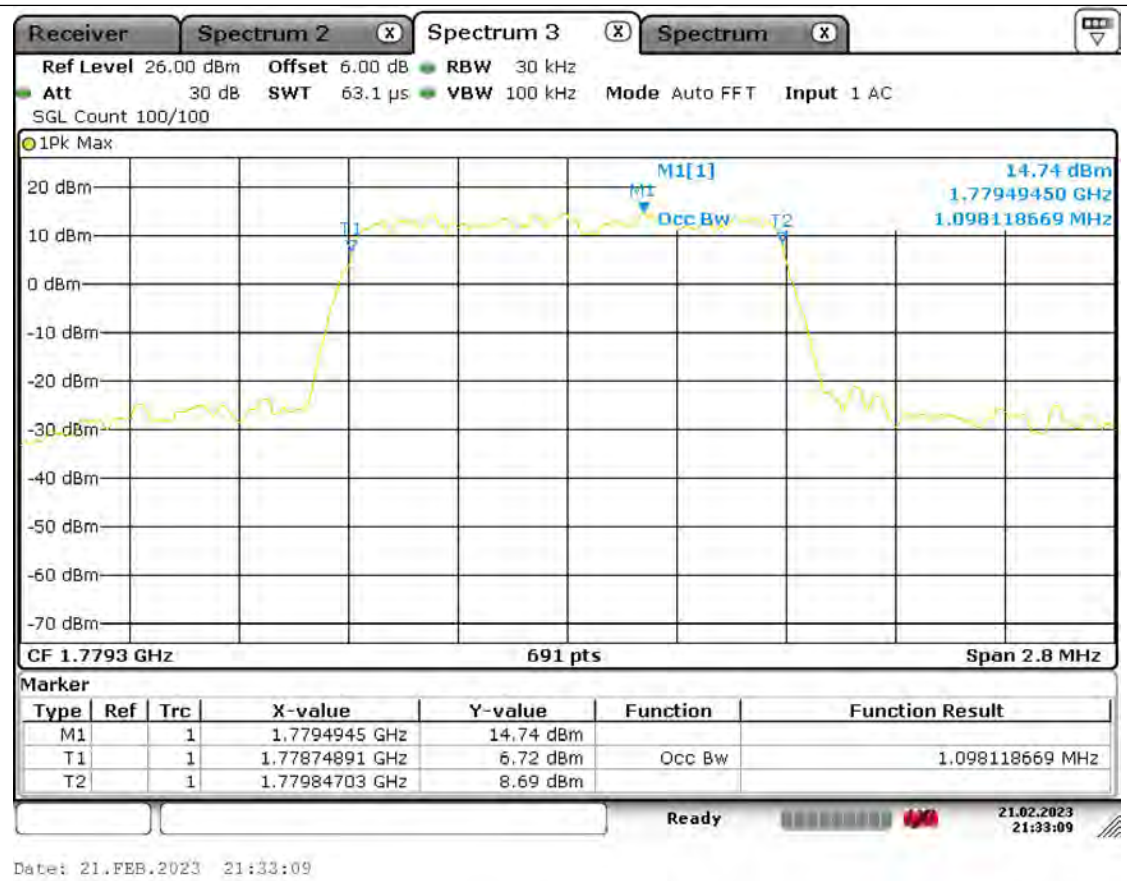
Band66-1.4MHz-64QAM-131979-6RB#0



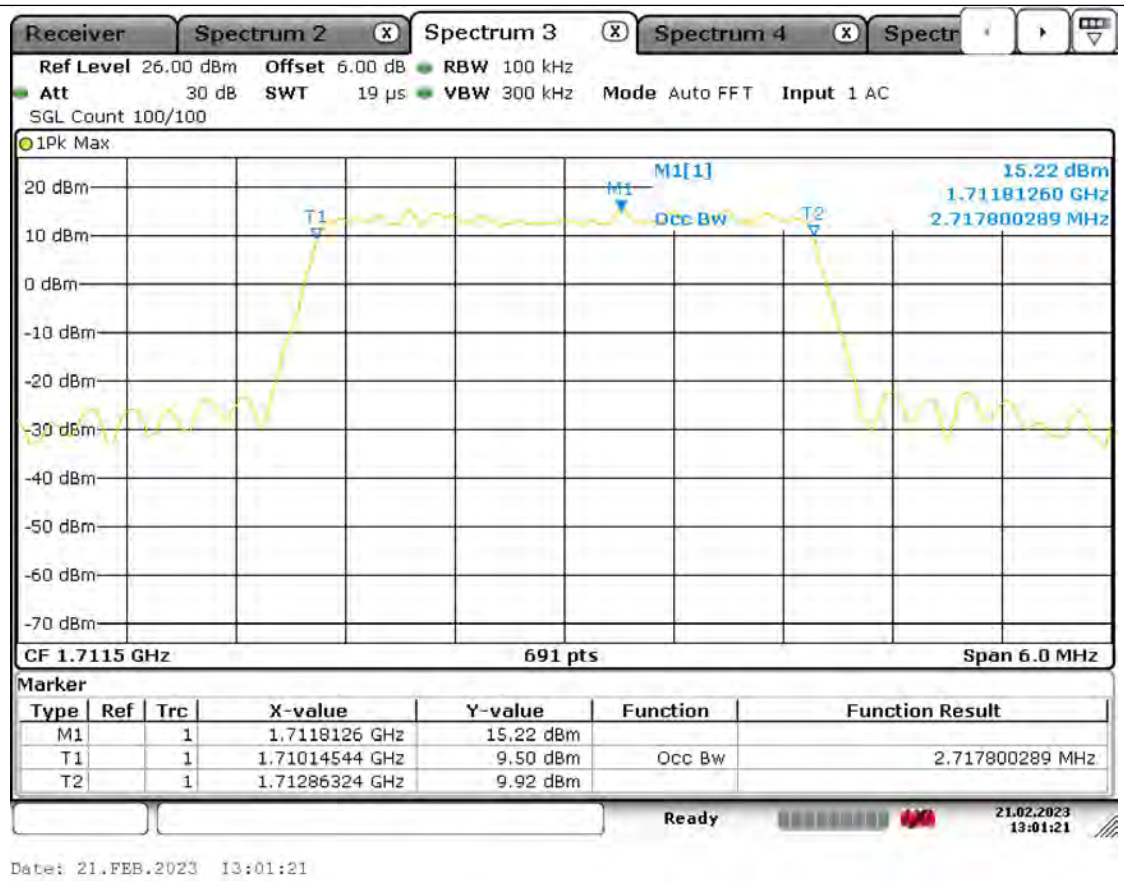
Band66-1.4MHz-64QAM-132322-6RB#0



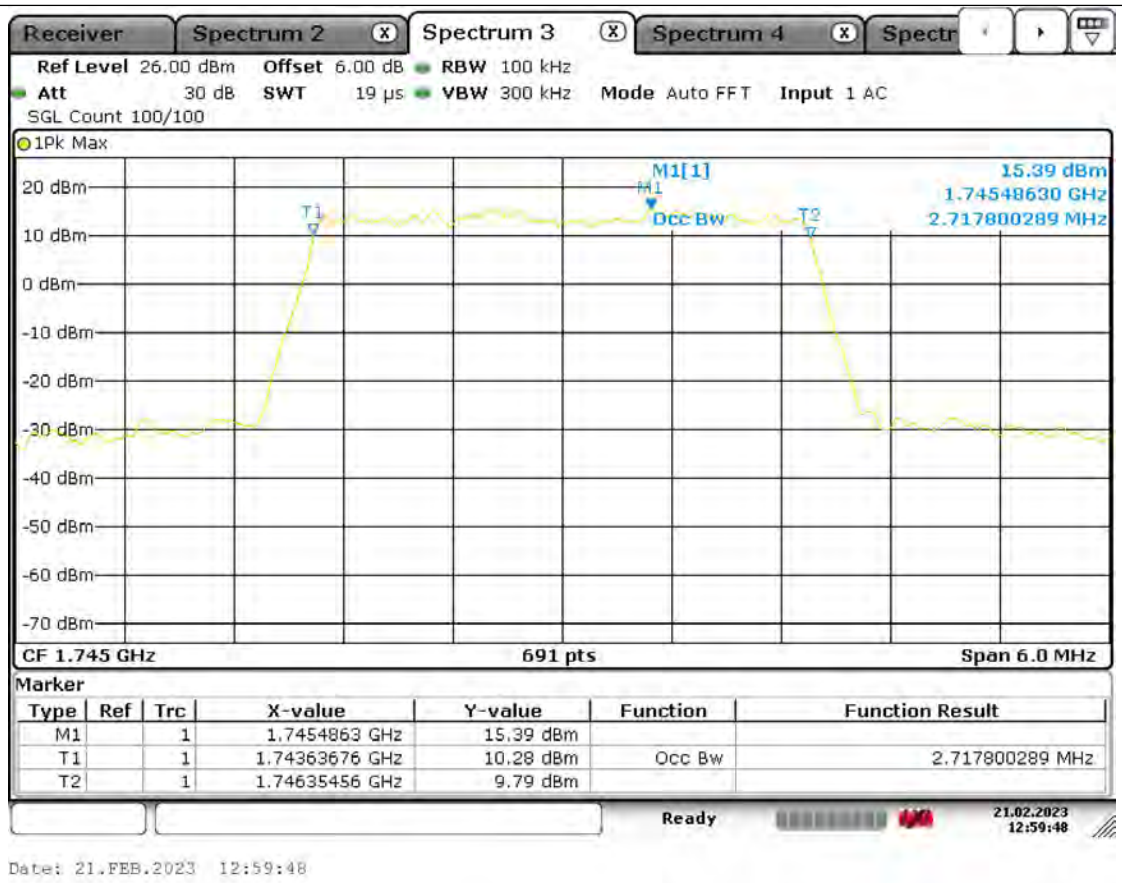
Band66-1.4MHz-64QAM-132665-6RB#0



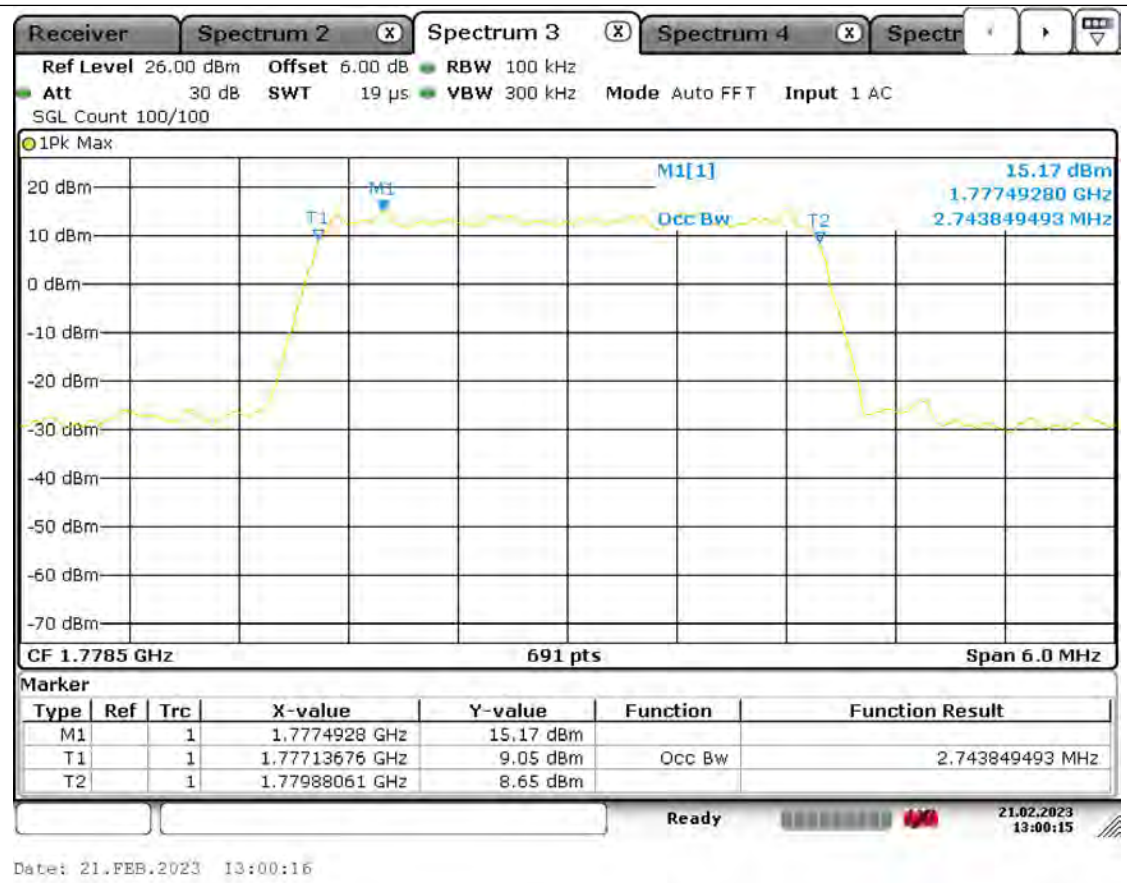
Band66-3MHz-64QAM-131987-15RB#0



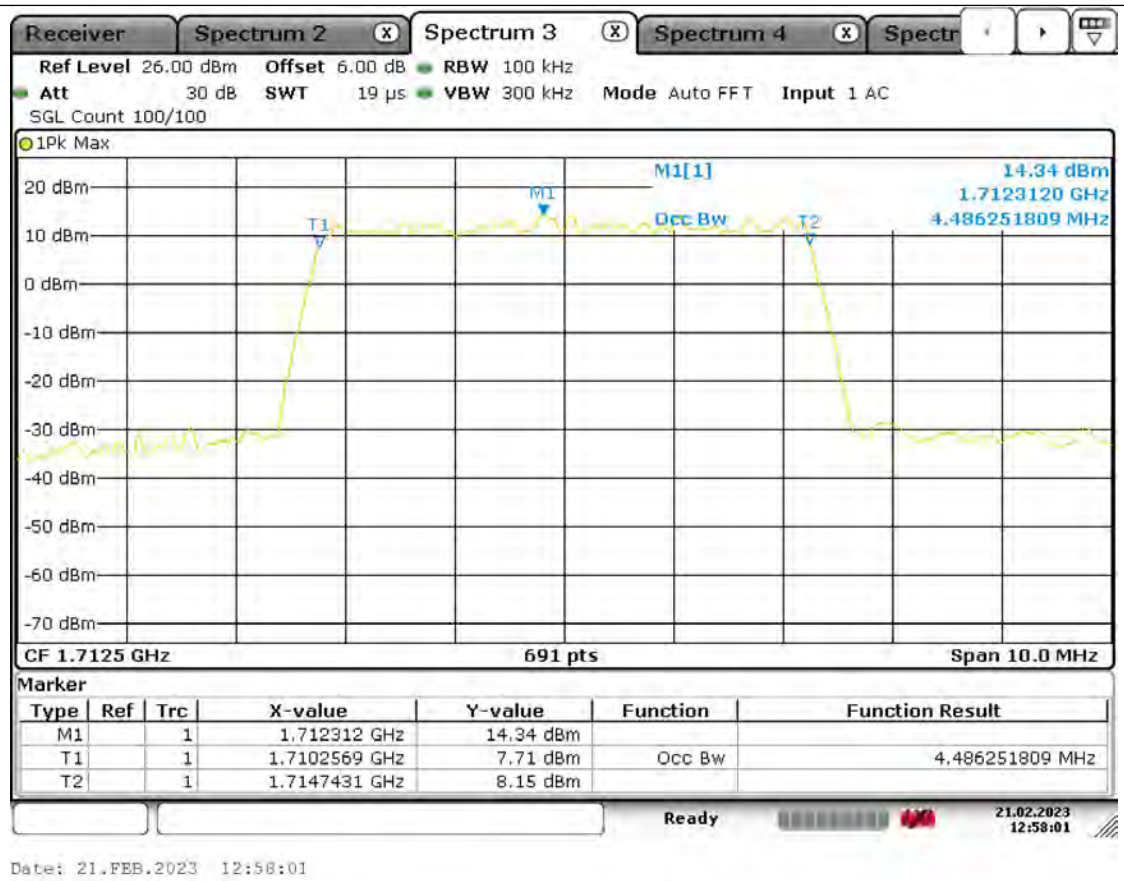
Band66-3MHz-64QAM-132322-15RB#0



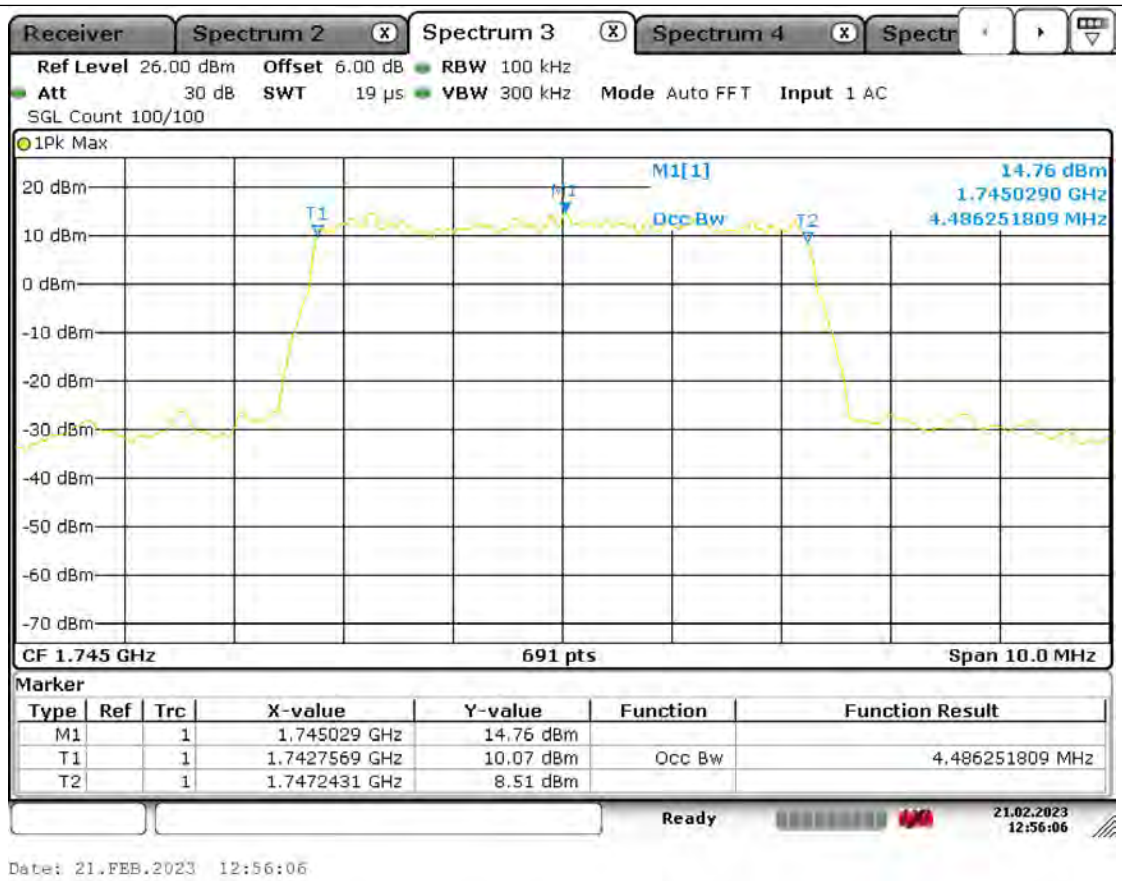
Band66-3MHz-64QAM-132657-15RB#0



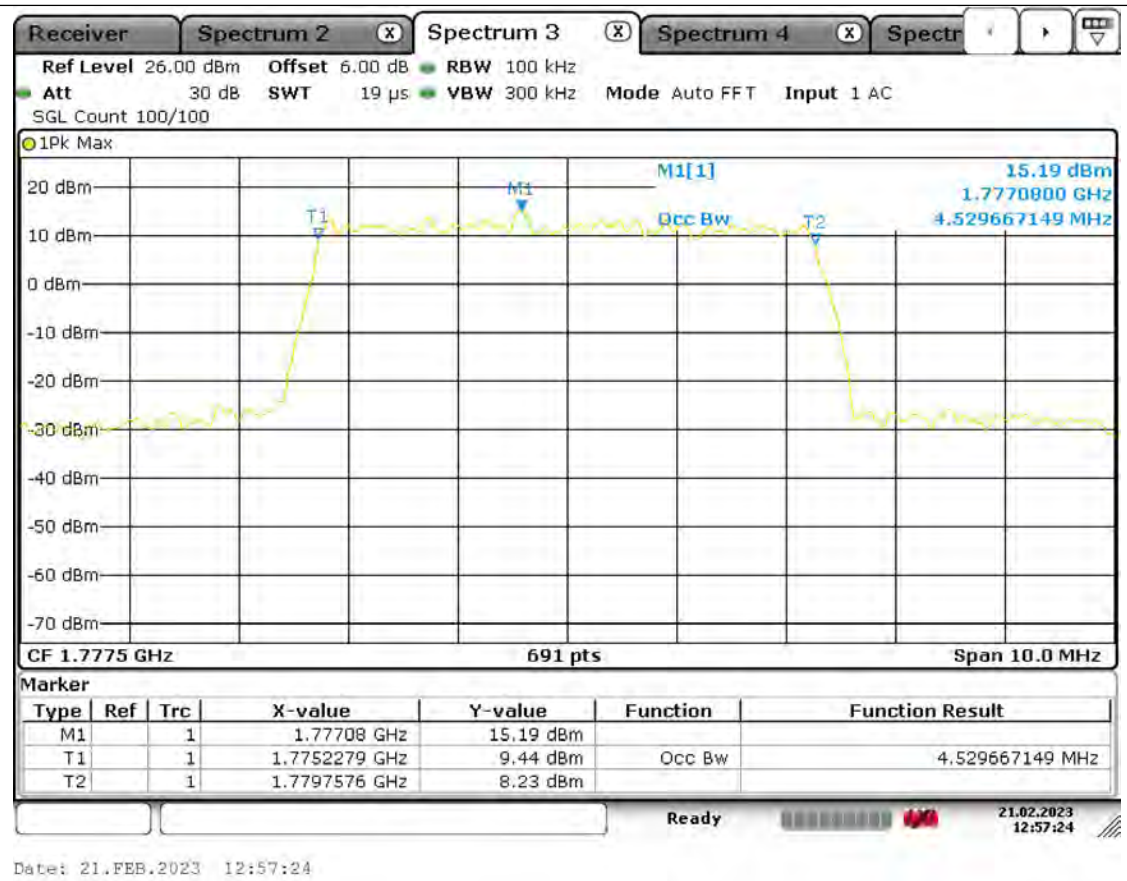
Band66-5MHz-64QAM-131997-25RB#0



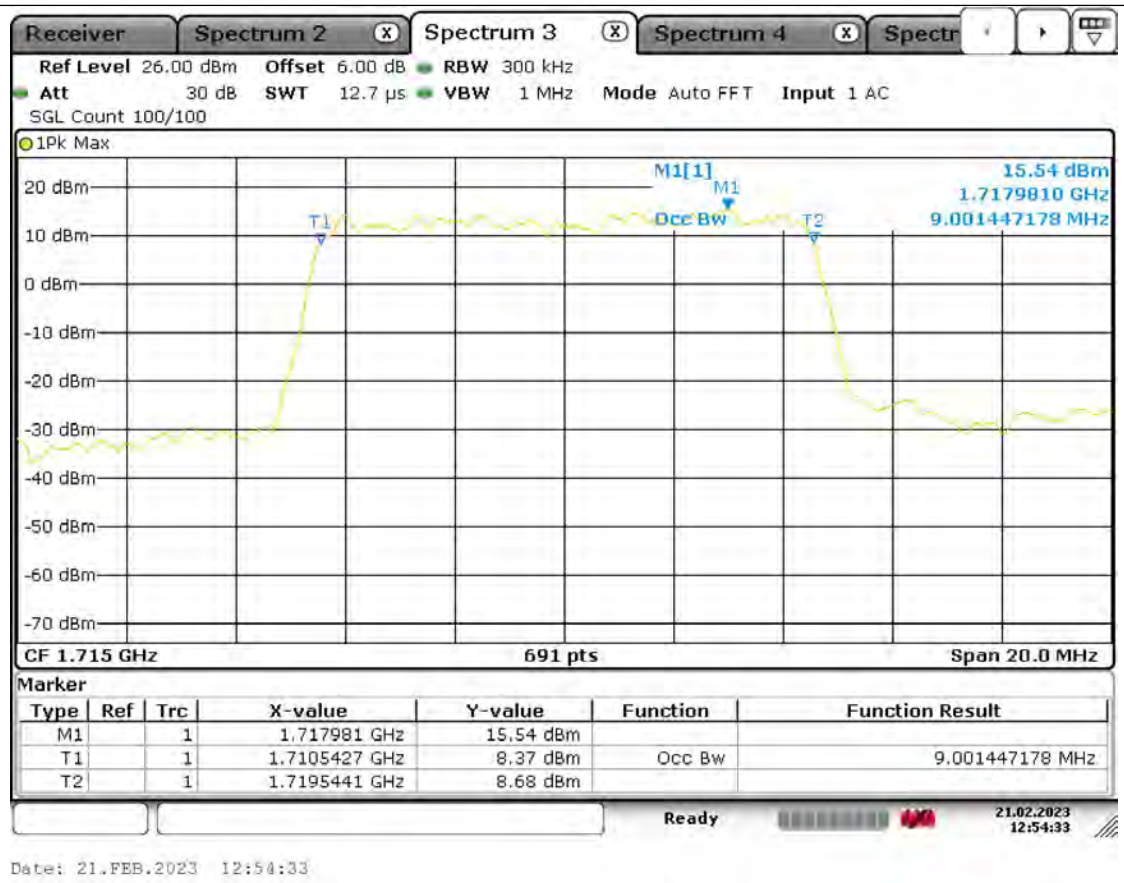
Band66-5MHz-64QAM-132322-25RB#0



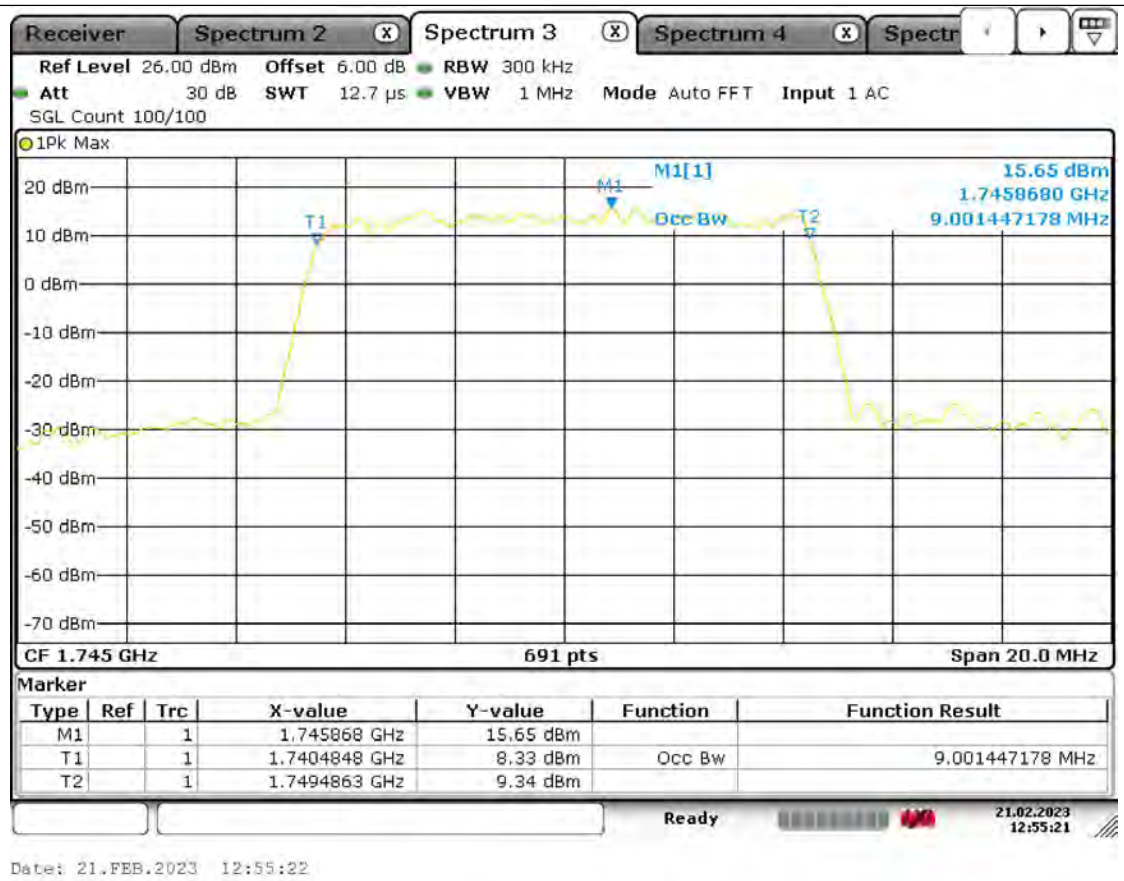
Band66-5MHz-64QAM-132647-25RB#0



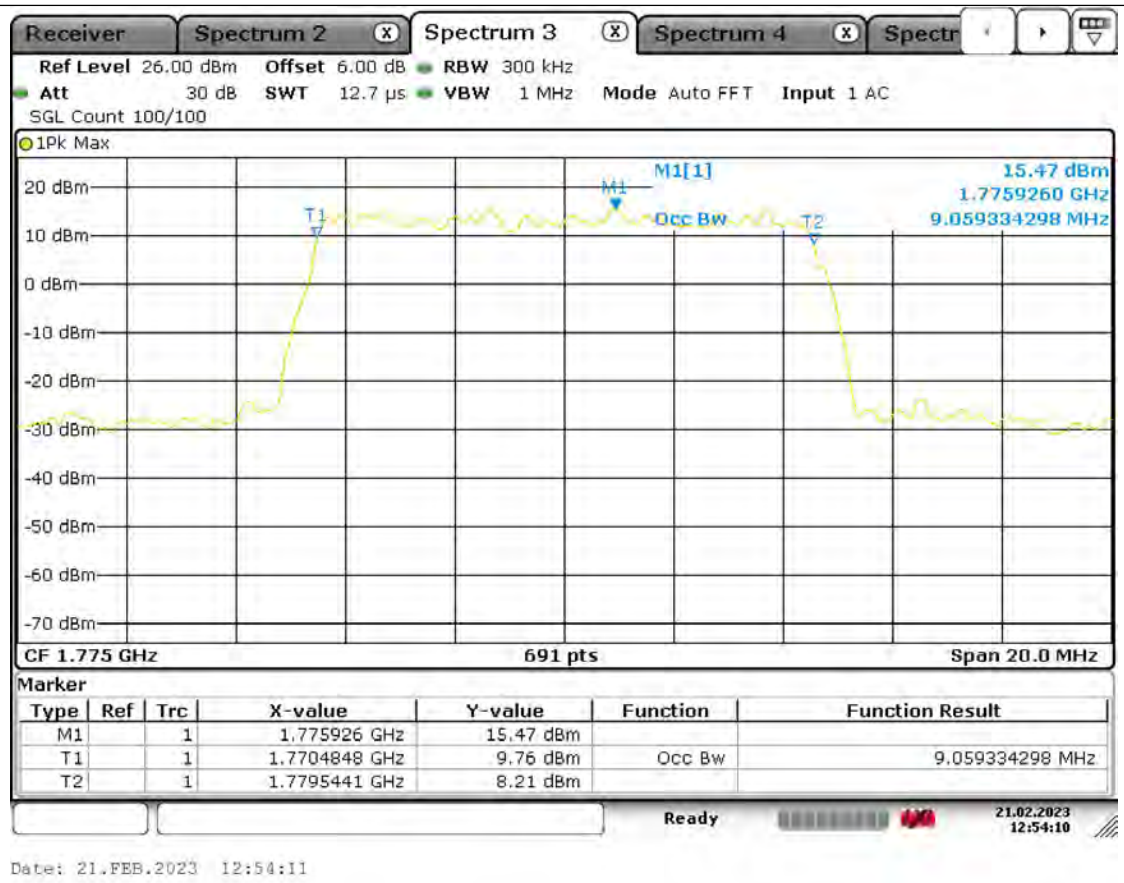
Band66-10MHz-64QAM-132022-50RB#0



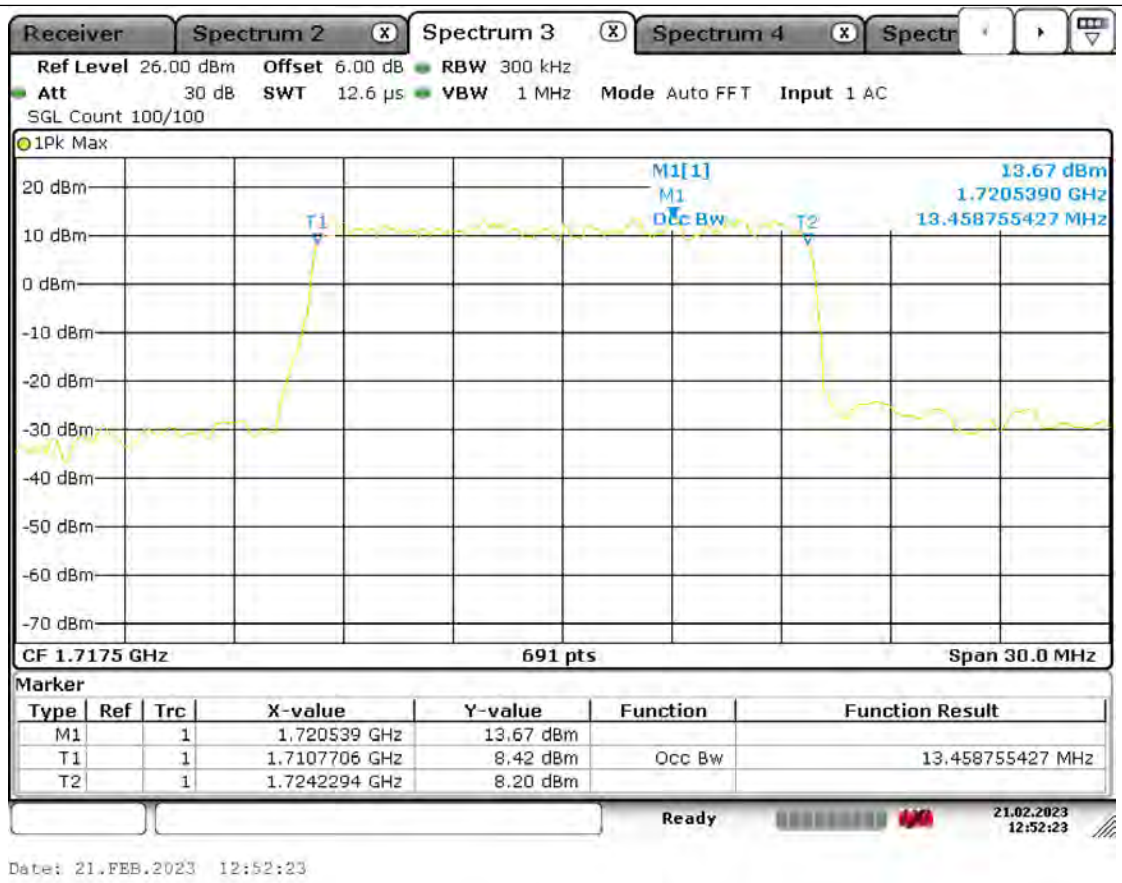
Band66-10MHz-64QAM-132322-50RB#0



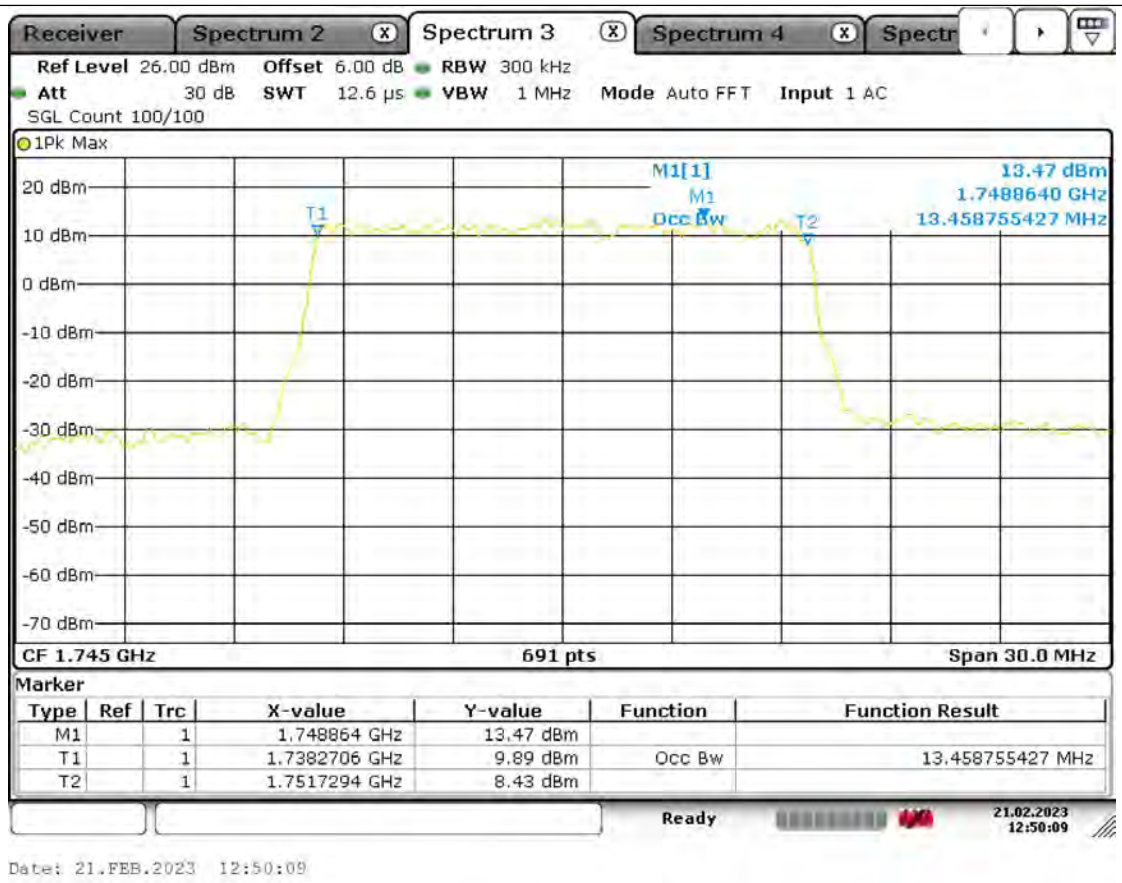
Band66-10MHz-64QAM-132622-50RB#0



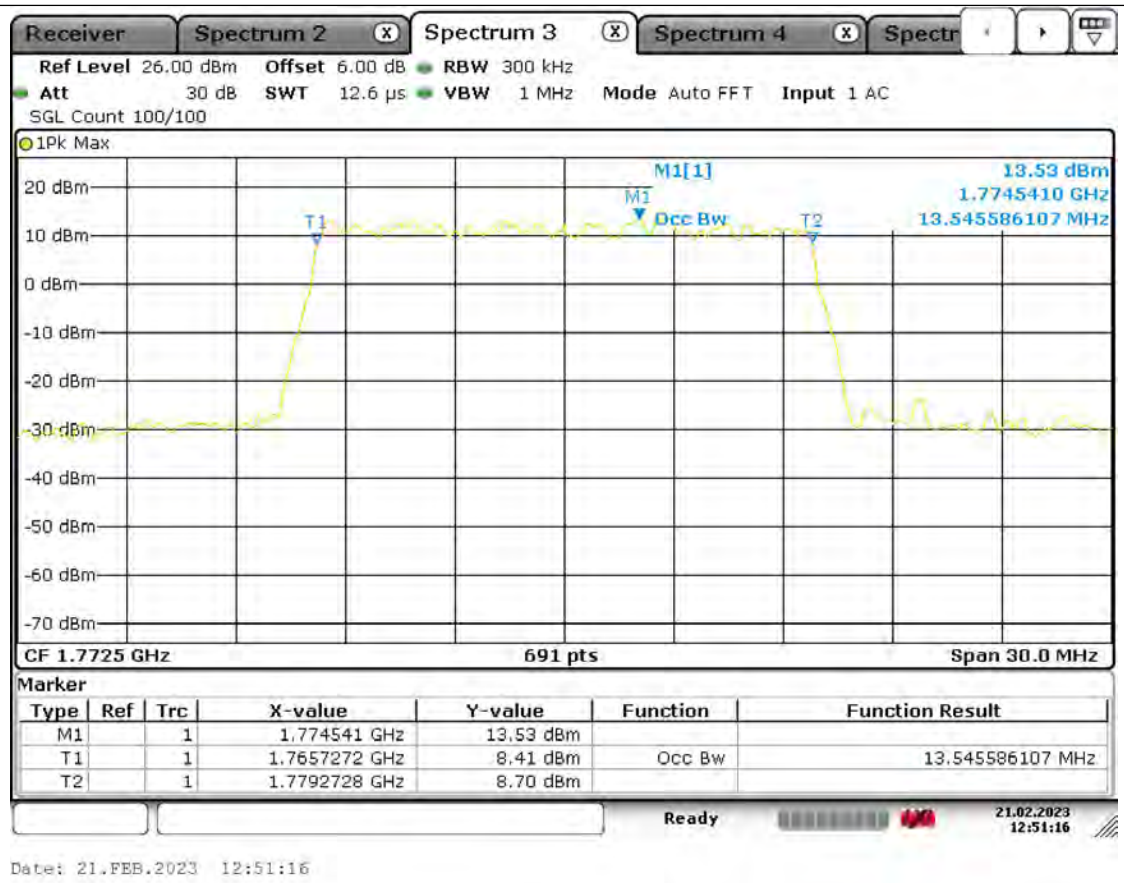
Band66-15MHz-64QAM-132047-75RB#0



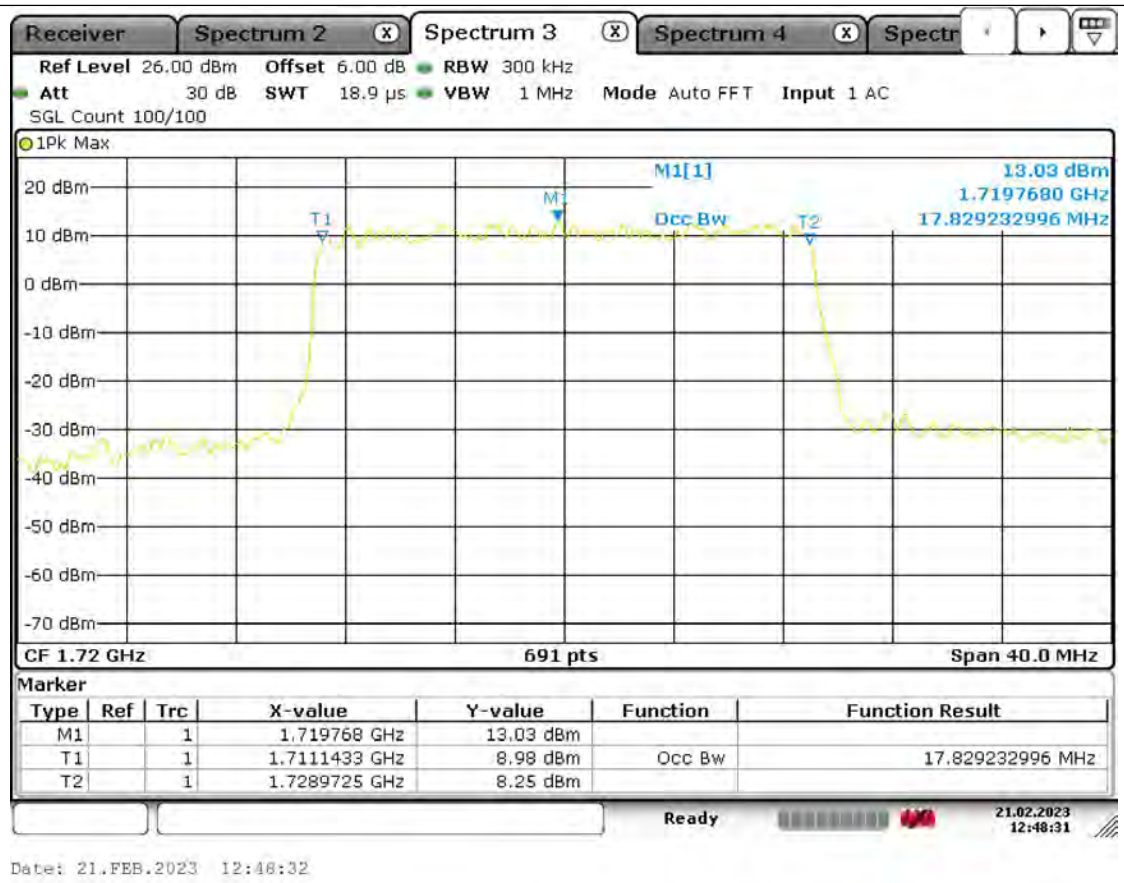
Band66-15MHz-64QAM-132322-75RB#0



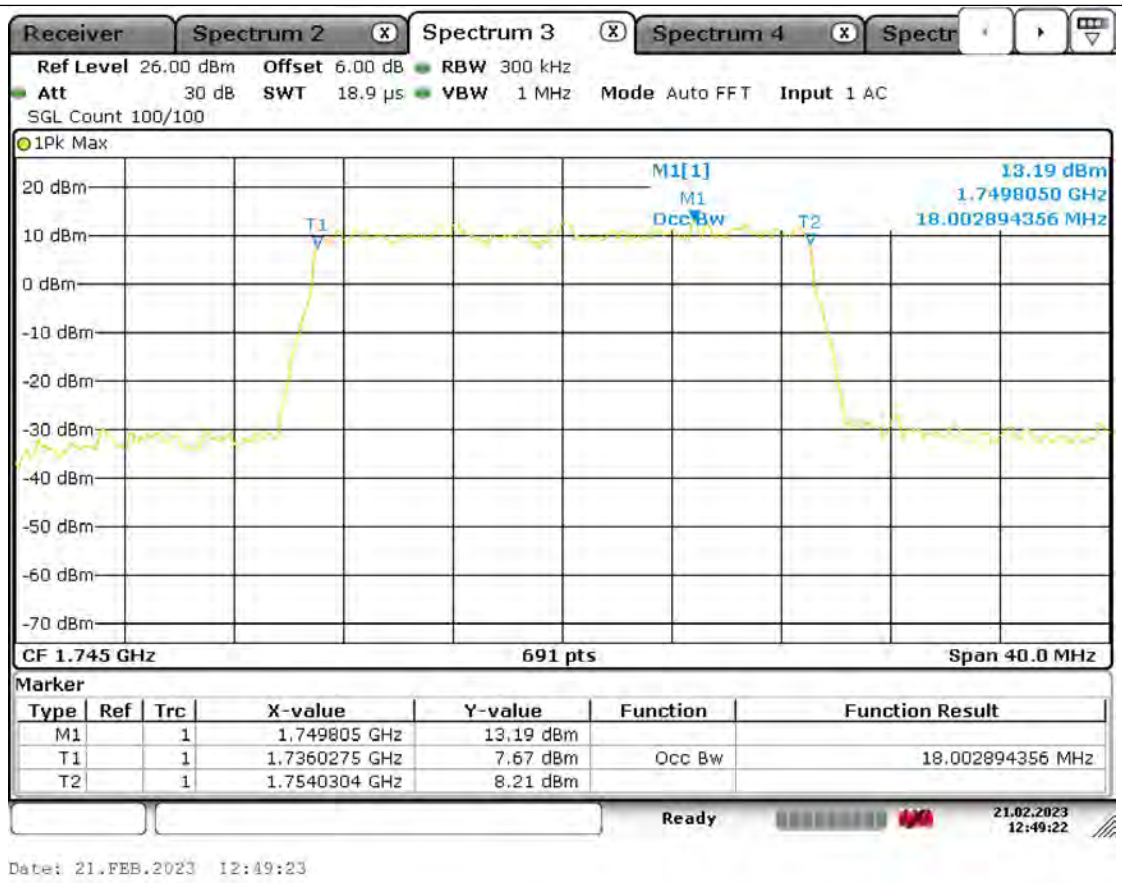
Band66-15MHz-64QAM-132597-75RB#0



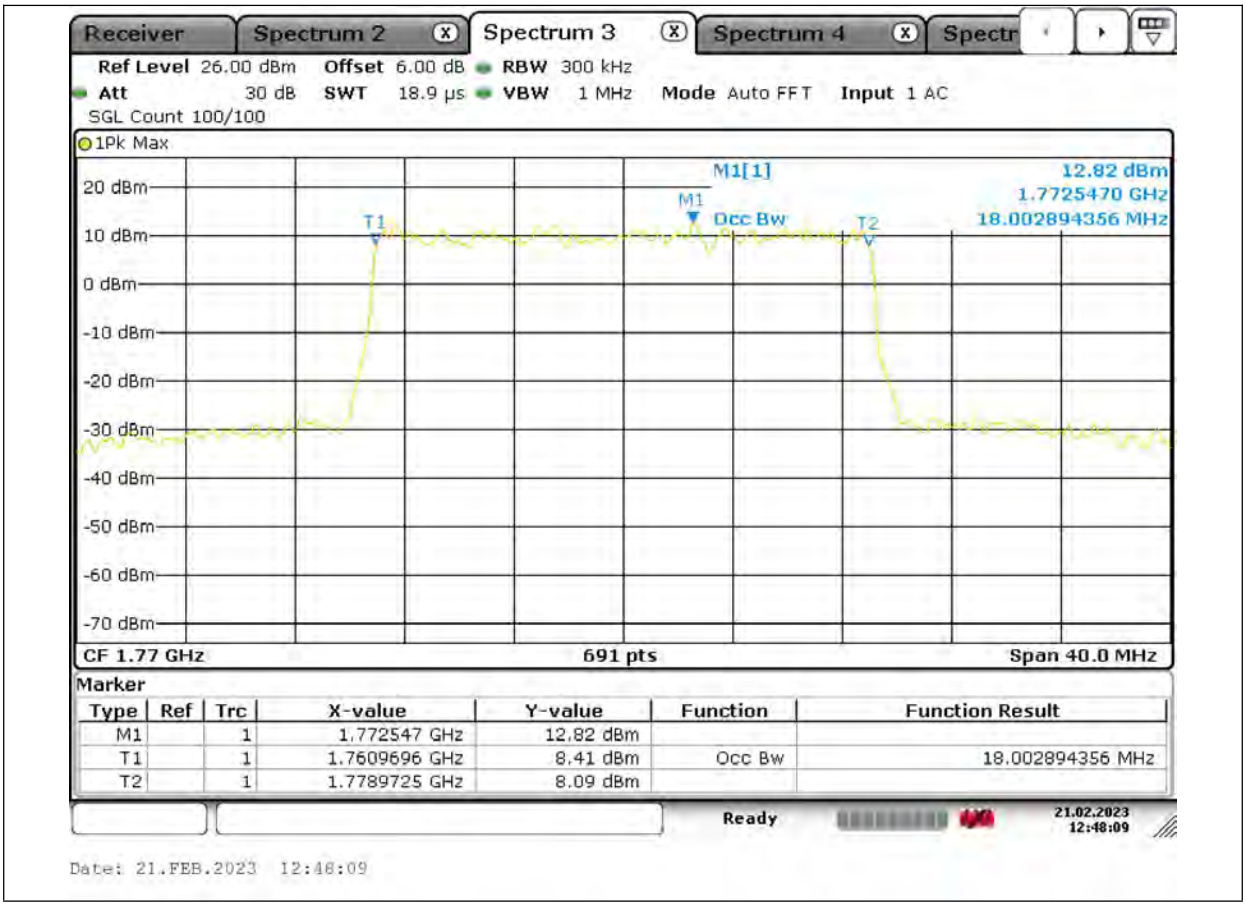
Band66-20MHz-64QAM-132072-100RB#0



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

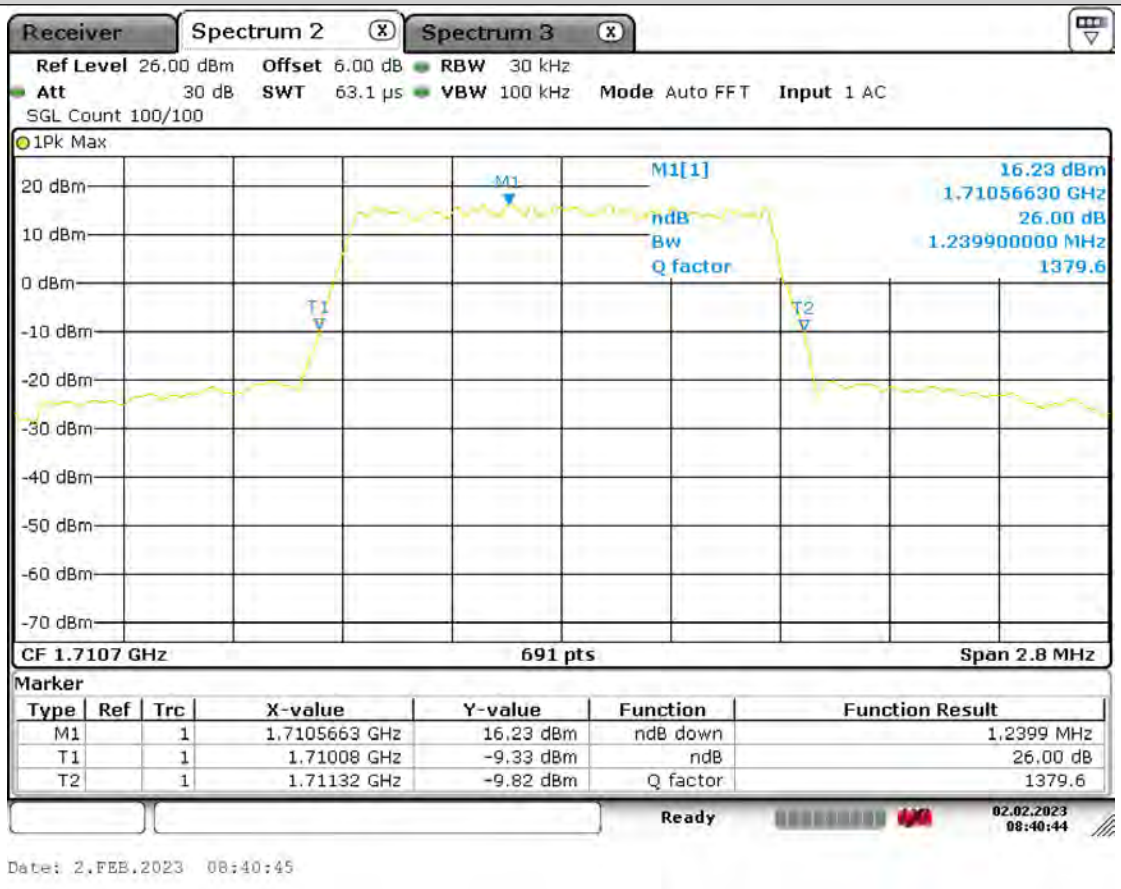


Band66-20MHz-64QAM-132572-100RB#0

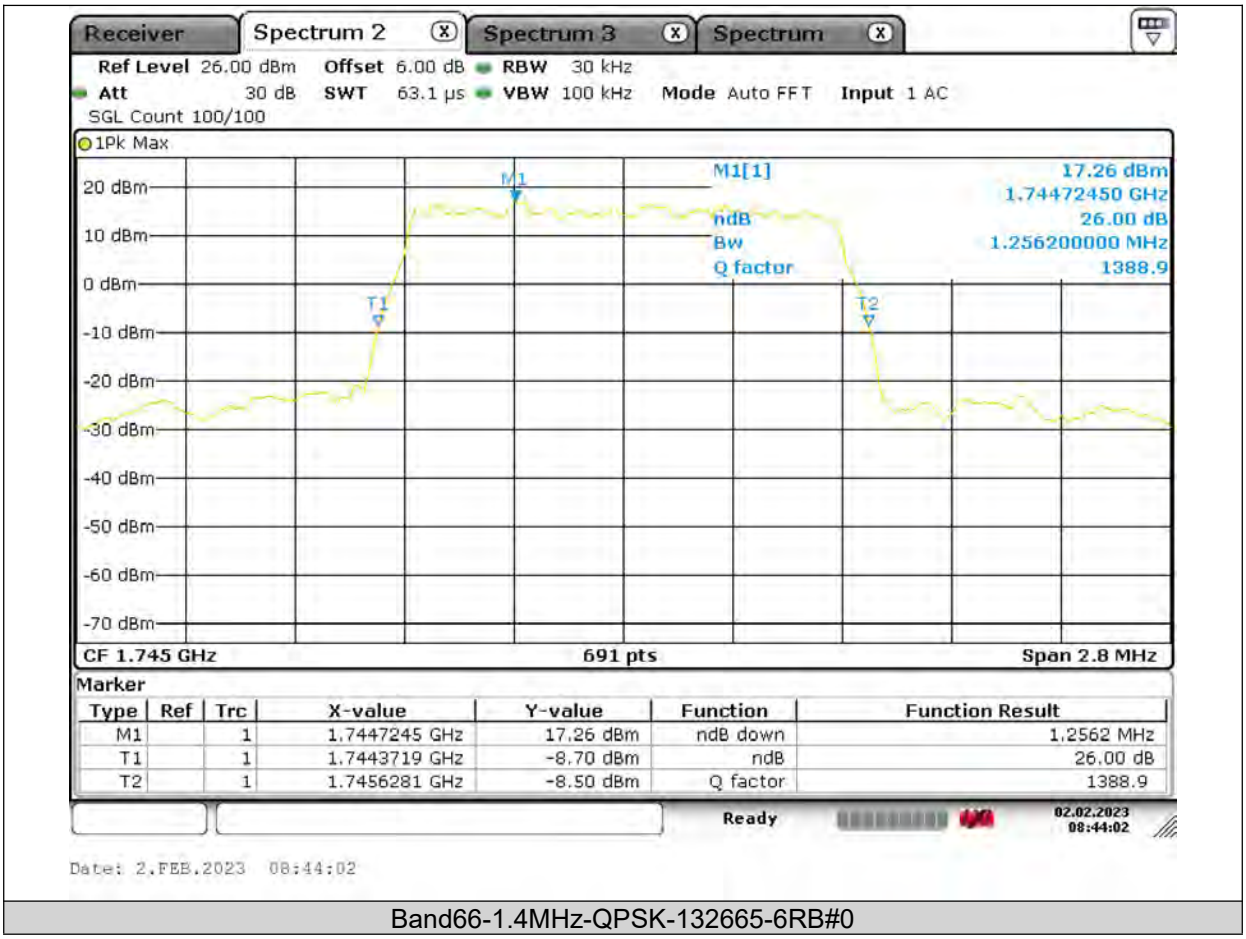

Receiver
Spectrum 2
Spectrum 3
Spectrum 4
Ref Level 26.00 dBm Offset 6.00 dB RBW 300 kHz
Att 30 dB SWT 18.9 µs VBW 1 MHz Mode Auto FFT Input 1 AC
SGL Count 100/100
1Pk Max
M1[1] 12.82 dBm
1.7725470 GHz
Occ Bw 18.002894356 MHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 1.77 GHz
691 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.772547 GHz 12.82 dBm
T1 1 1.7609696 GHz 8.41 dBm Occ Bw 18.002894356 MHz
T2 1 1.7789725 GHz 8.09 dBm
Ready
21.02.2023
12:48:09
Date: 21.FEB.2023 12:48:09

26dB Bandwidth

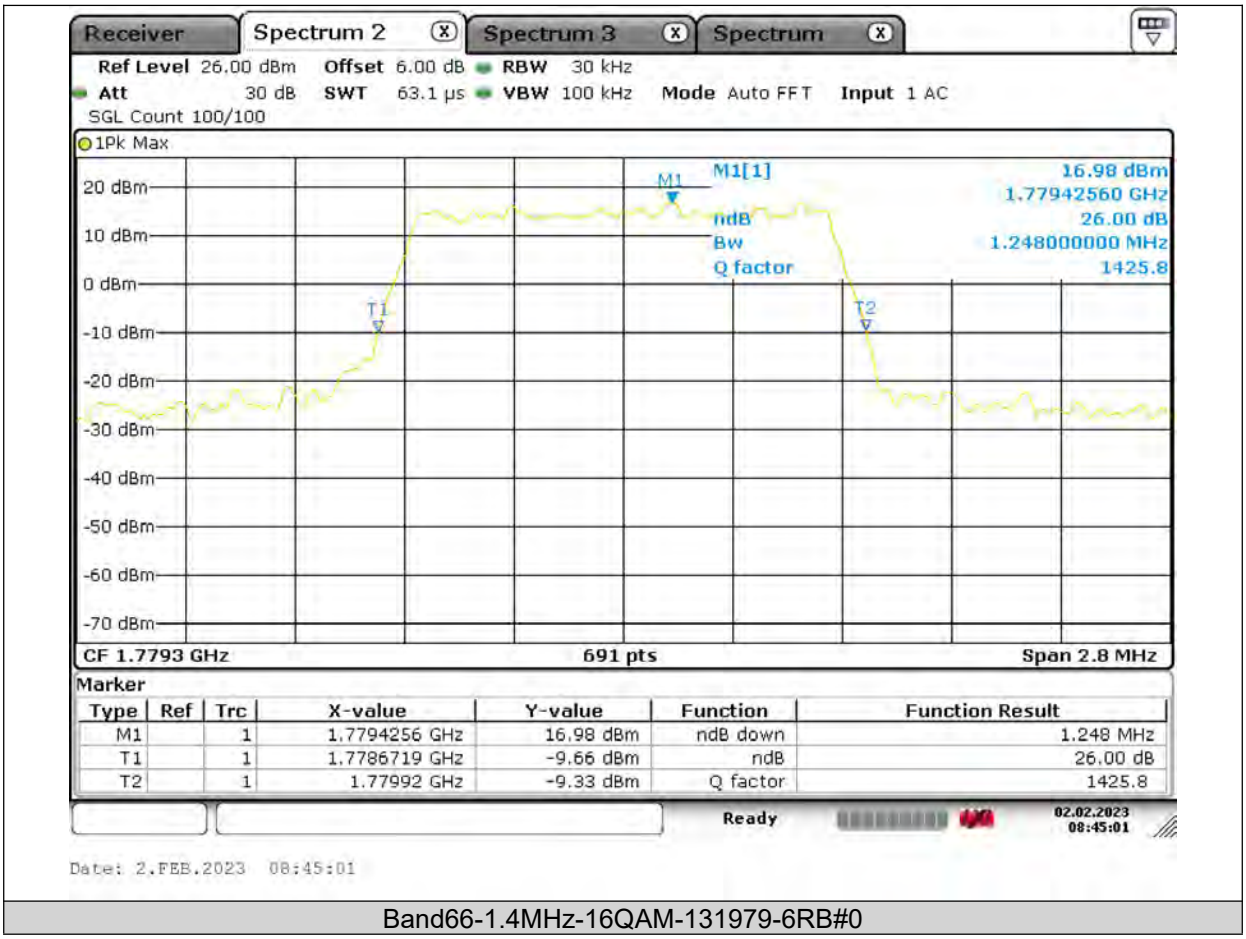
Band66-1.4MHz-QPSK-131979-6RB#0



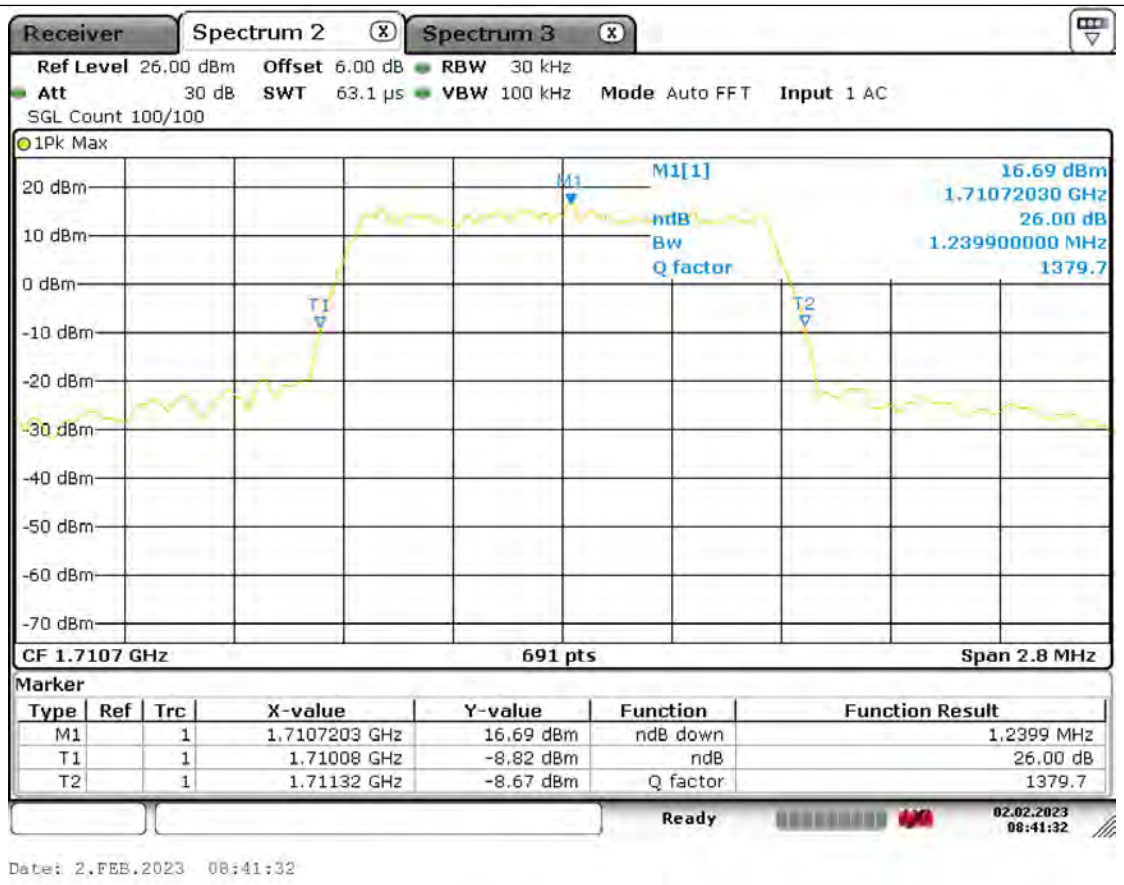
Band66-1.4MHz-QPSK-132322-6RB#0



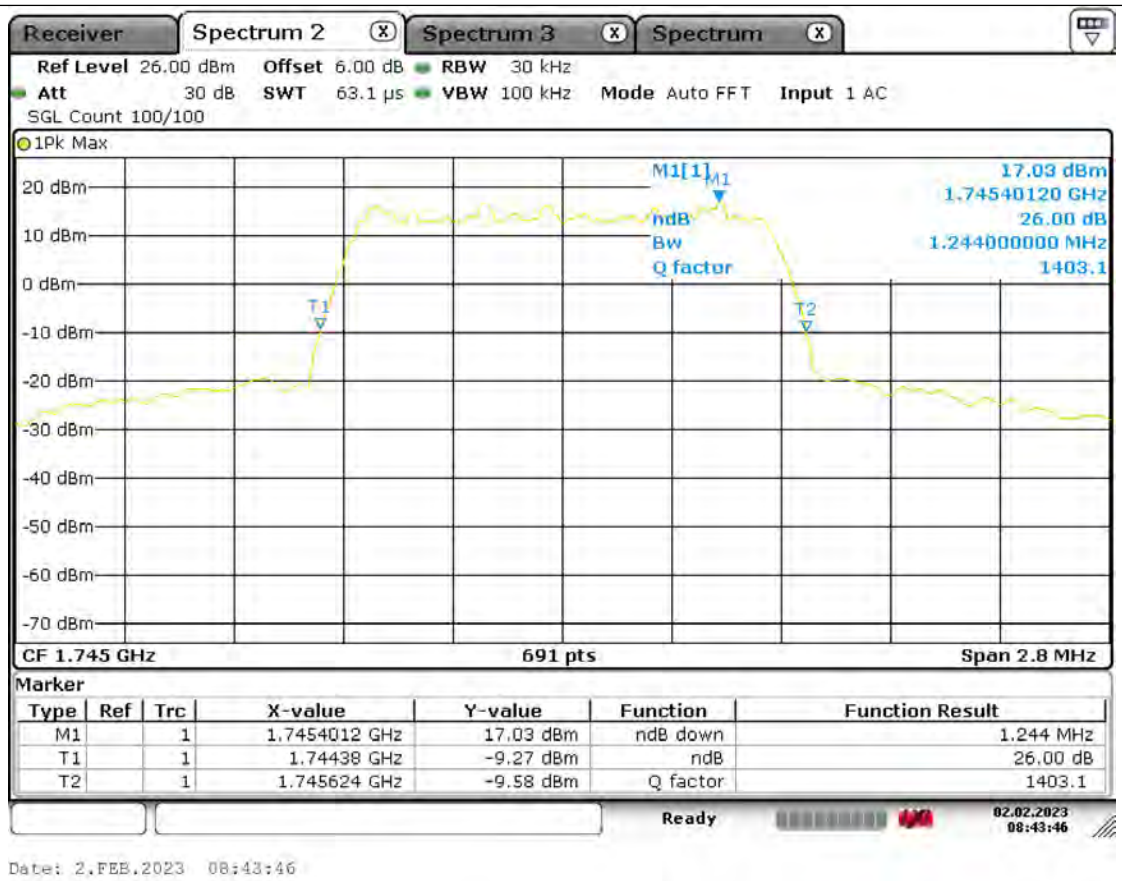
Band66-1.4MHz-QPSK-132665-6RB#0



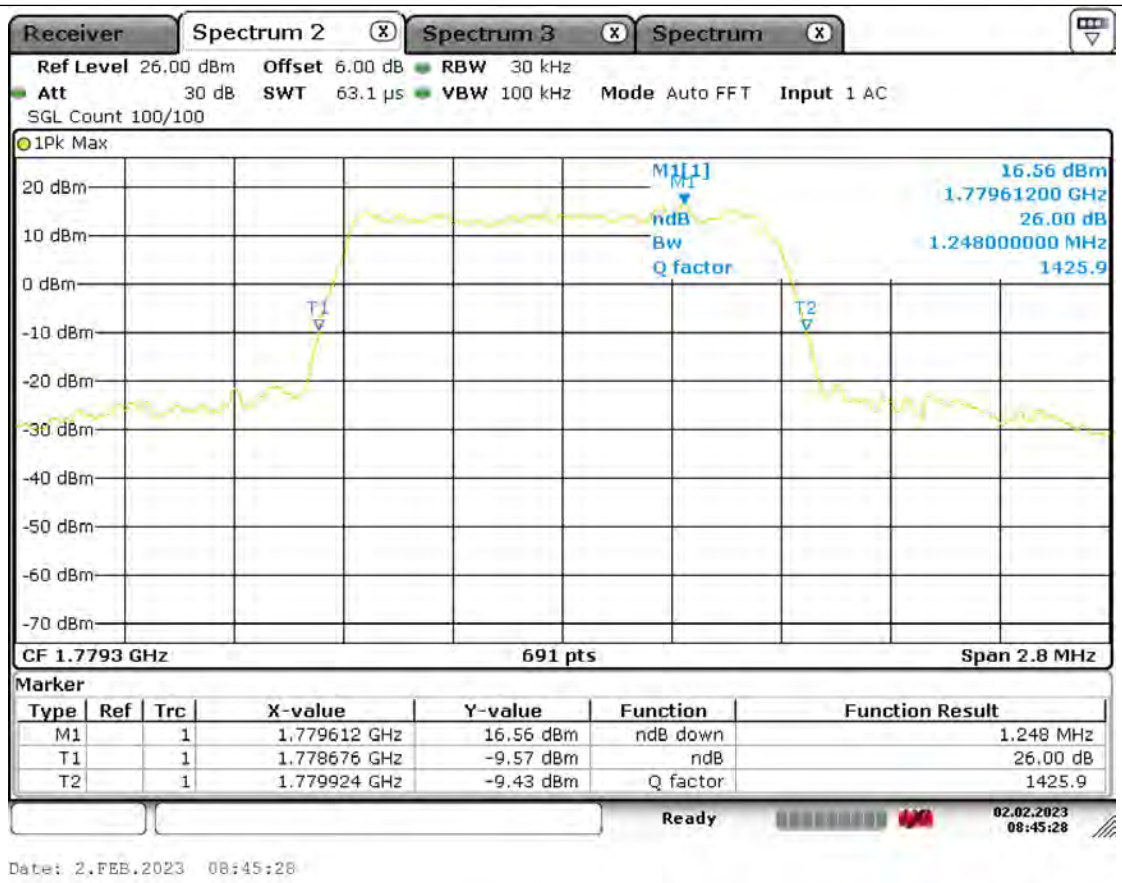
Band66-1.4MHz-16QAM-131979-6RB#0



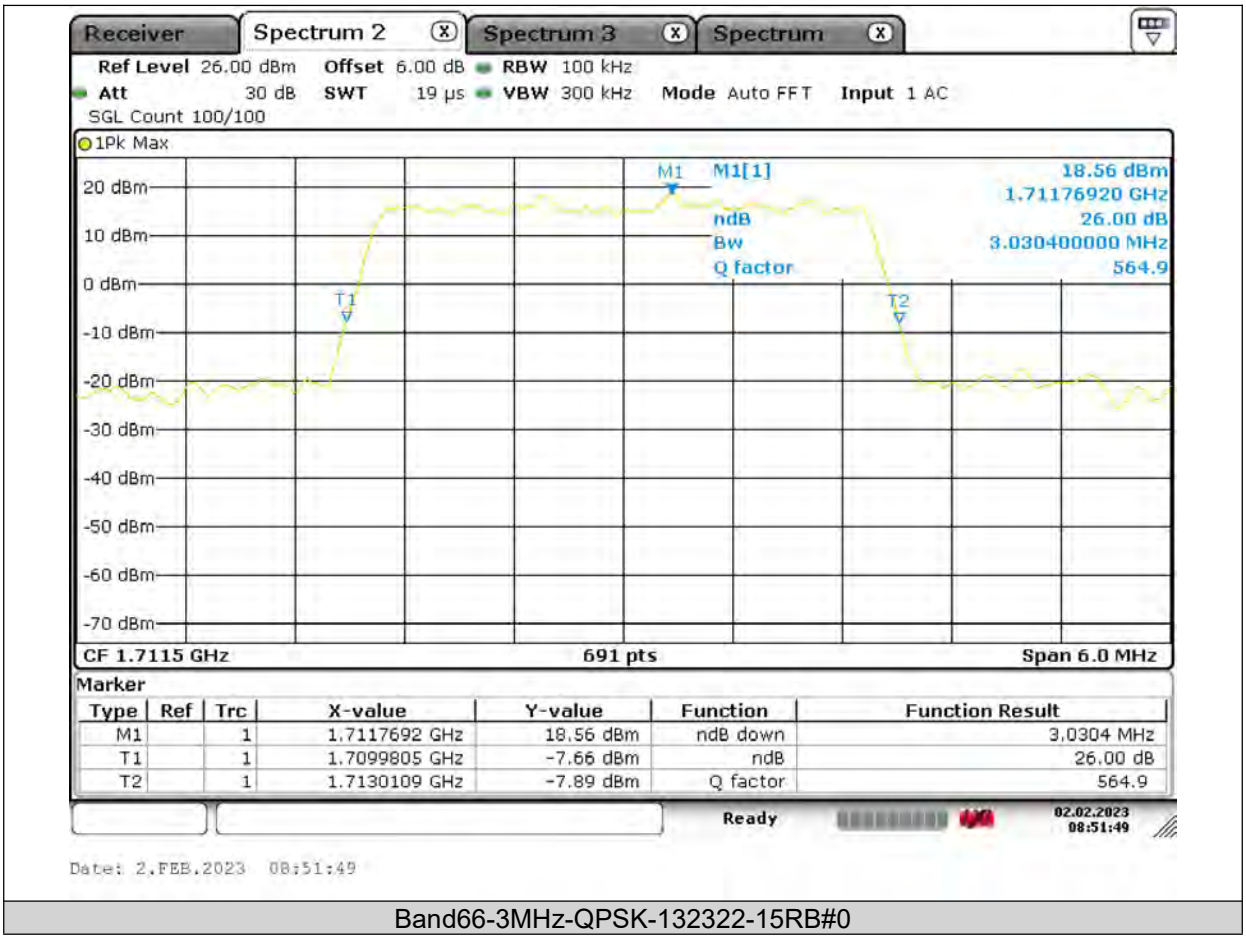
Band66-1.4MHz-16QAM-132322-6RB#0



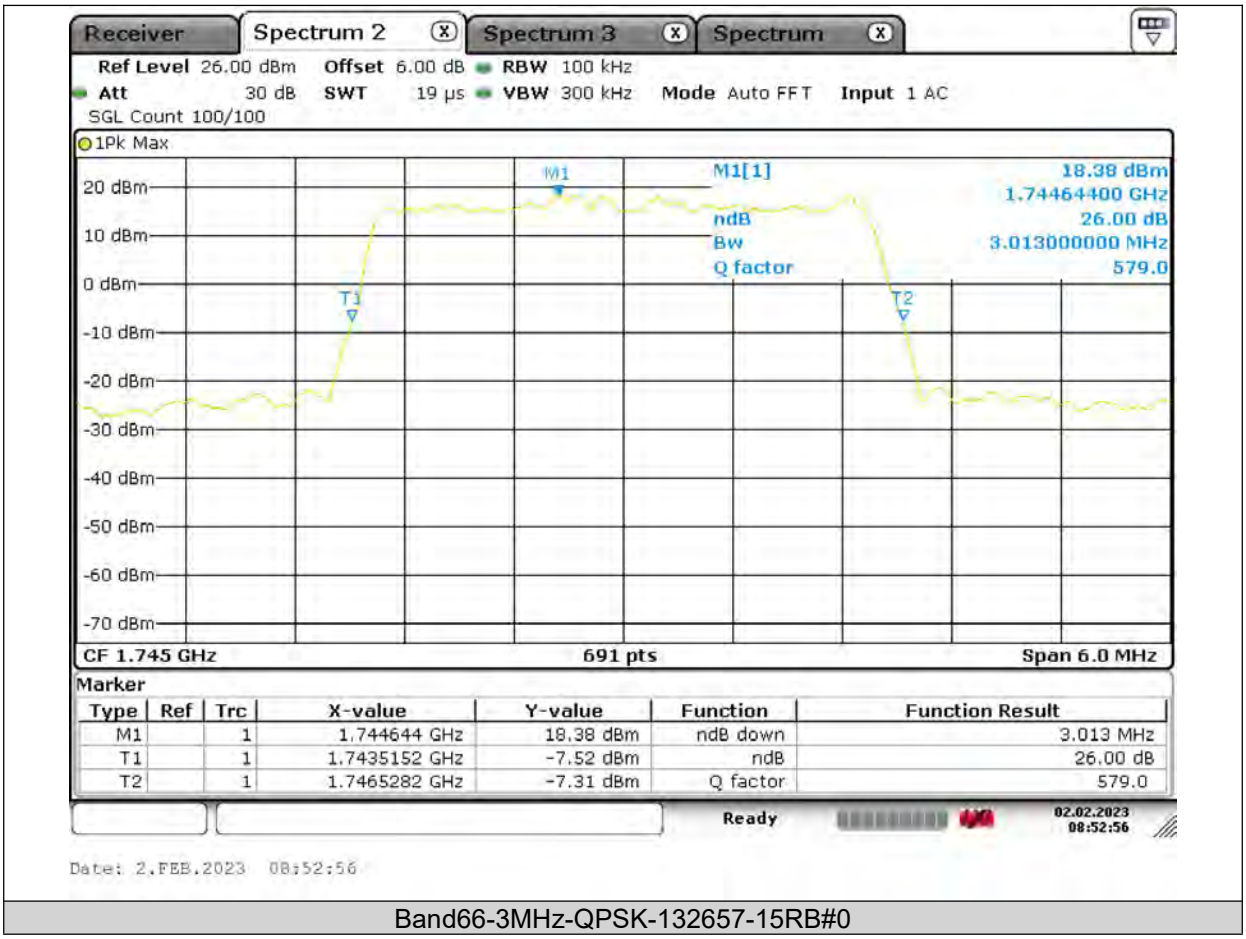
Band66-1.4MHz-16QAM-132665-6RB#0



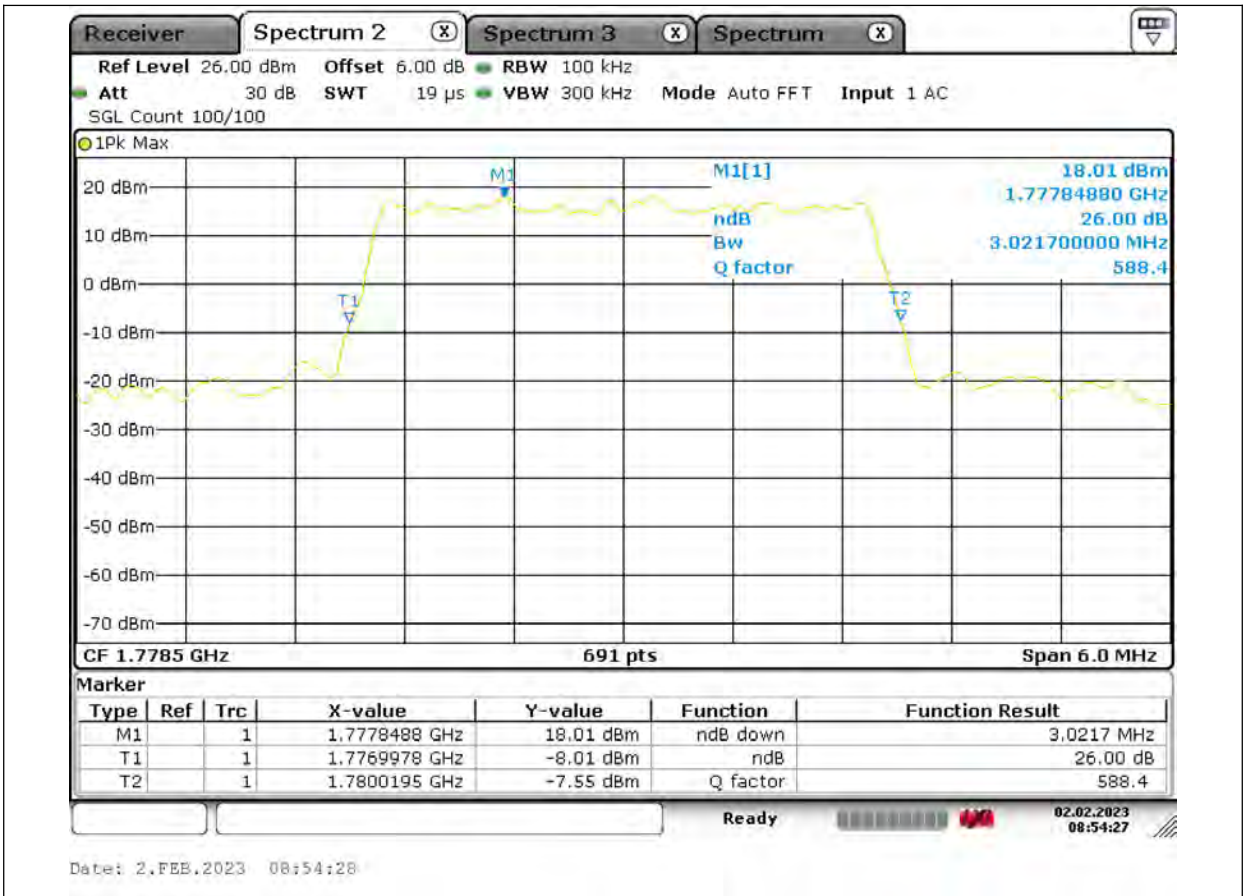
Band66-3MHz-QPSK-131987-15RB#0



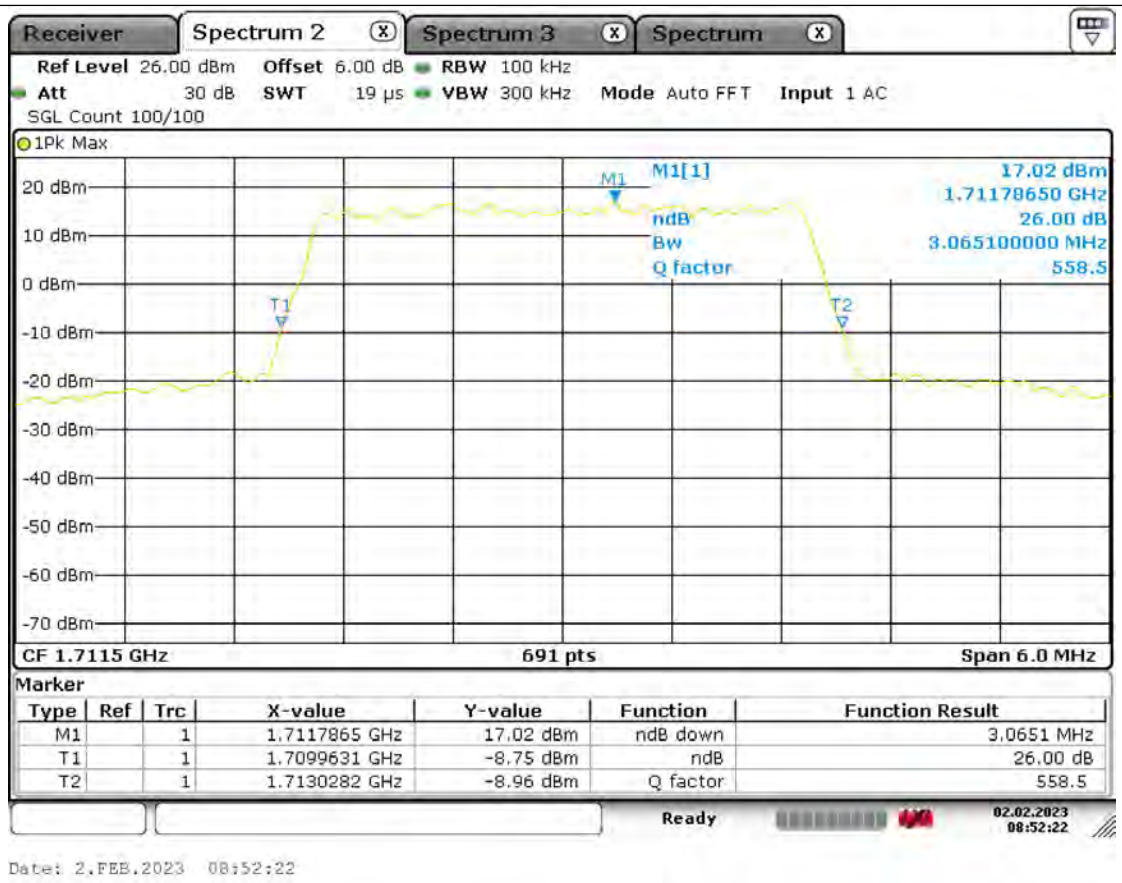
Band66-3MHz-QPSK-132322-15RB#0



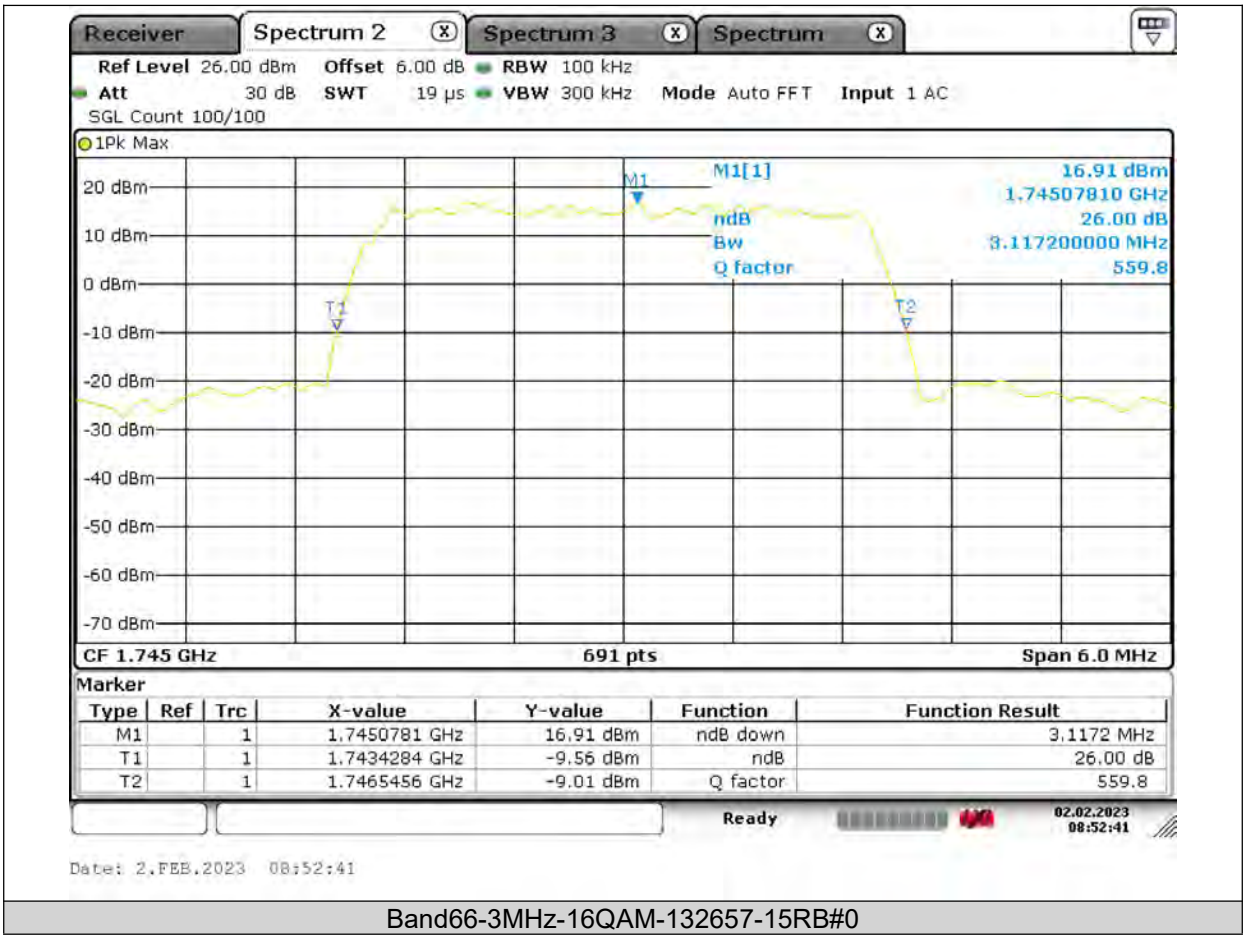
Band66-3MHz-QPSK-132657-15RB#0



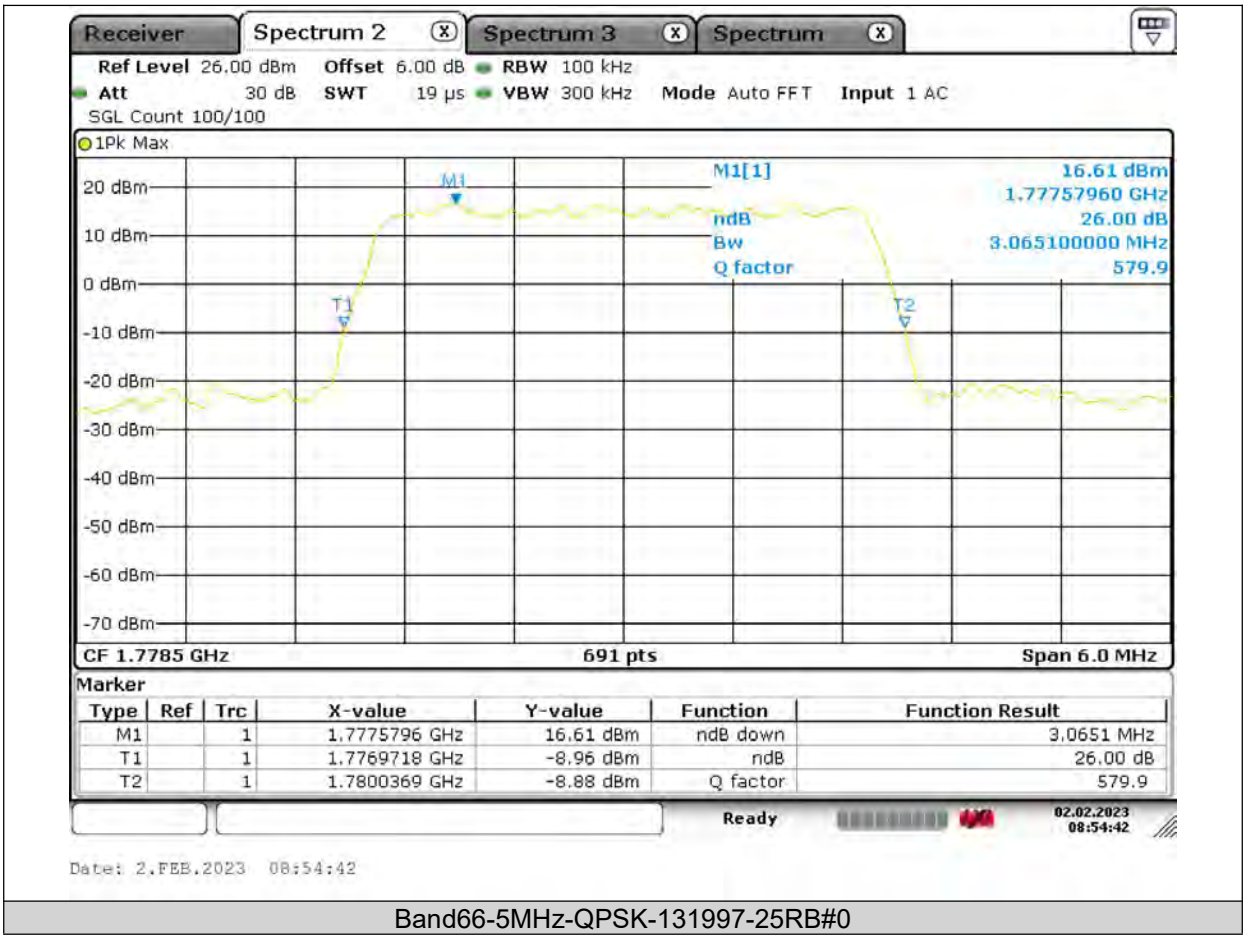
Band66-3MHz-16QAM-131987-15RB#0



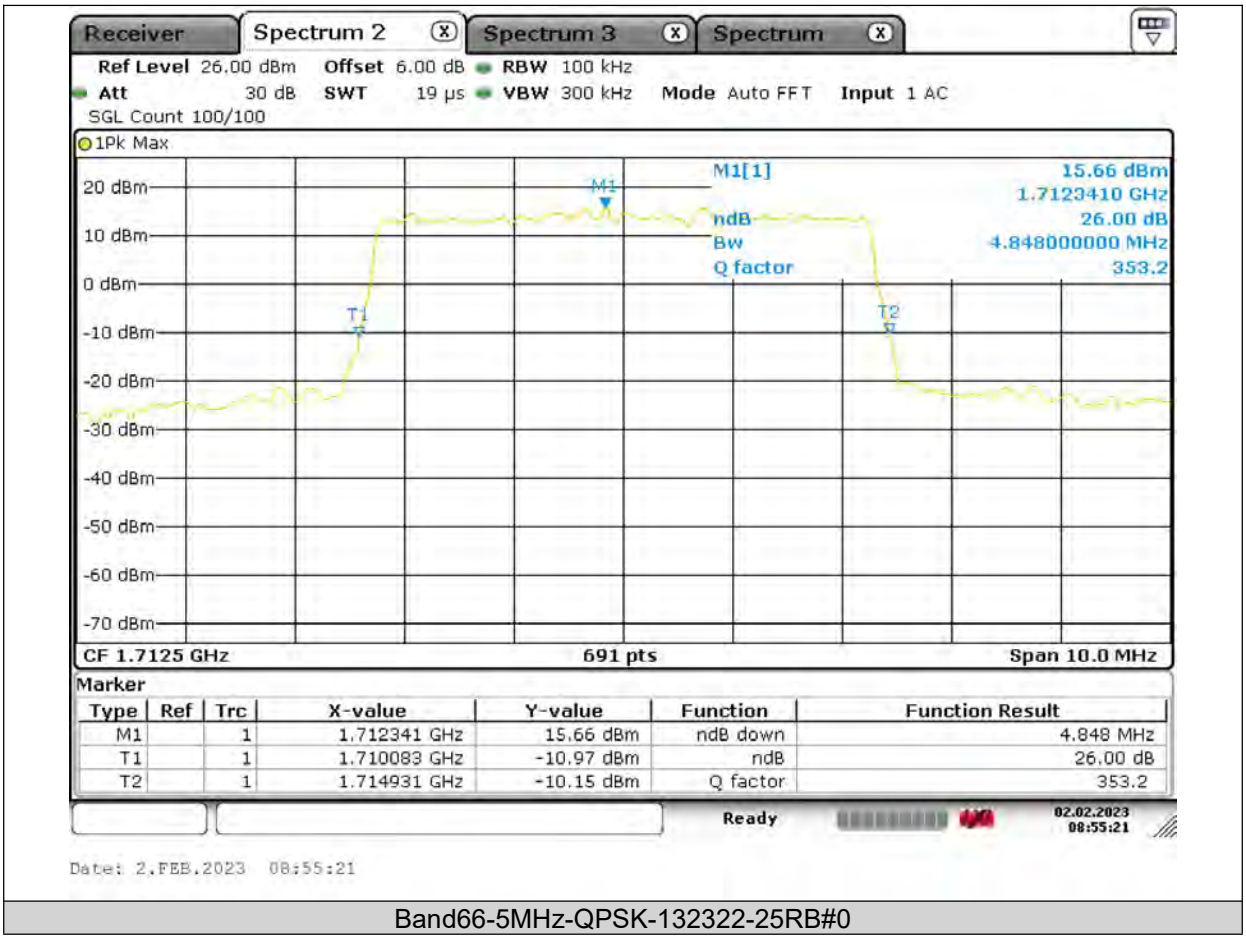
Band66-3MHz-16QAM-132322-15RB#0



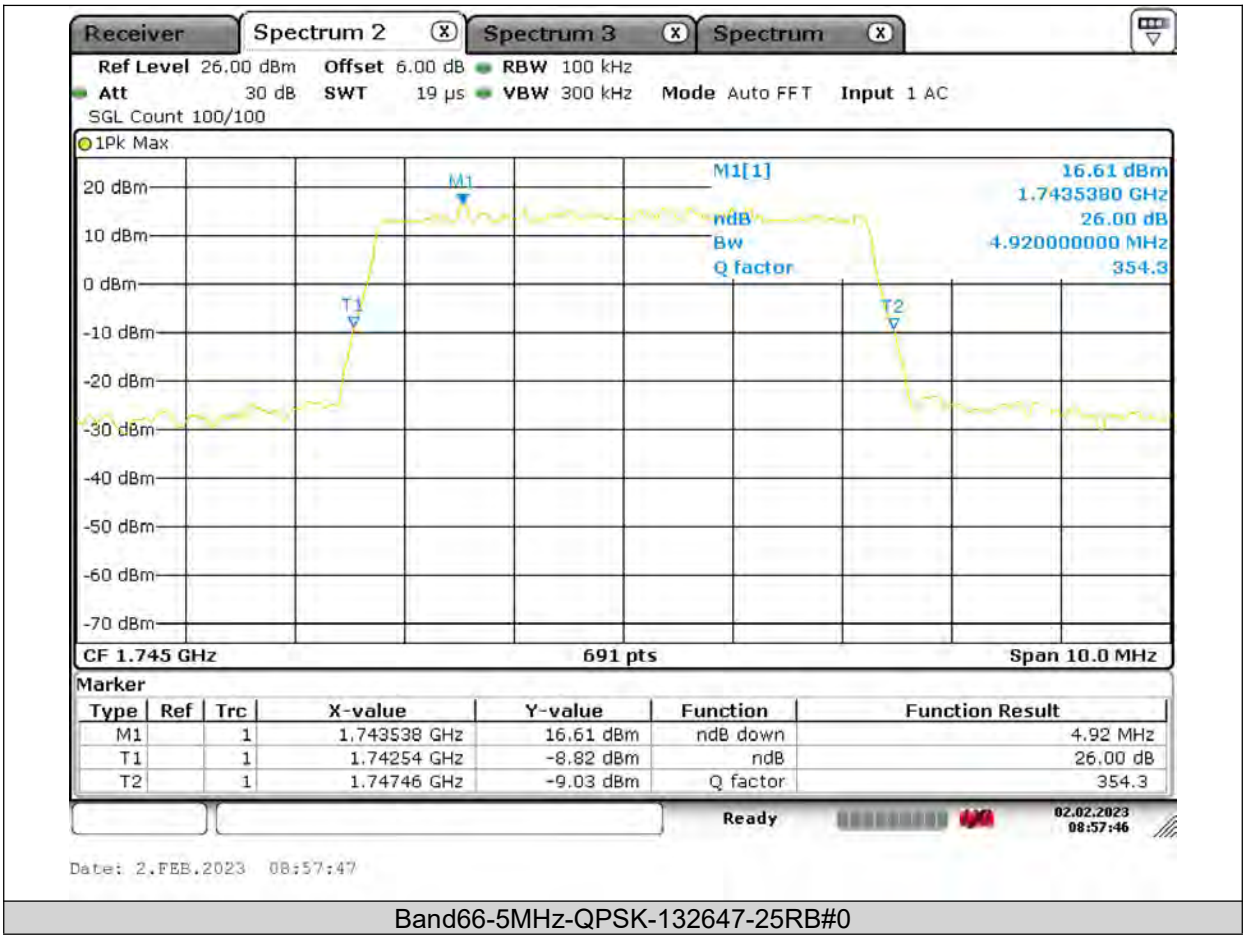
Band66-3MHz-16QAM-132657-15RB#0



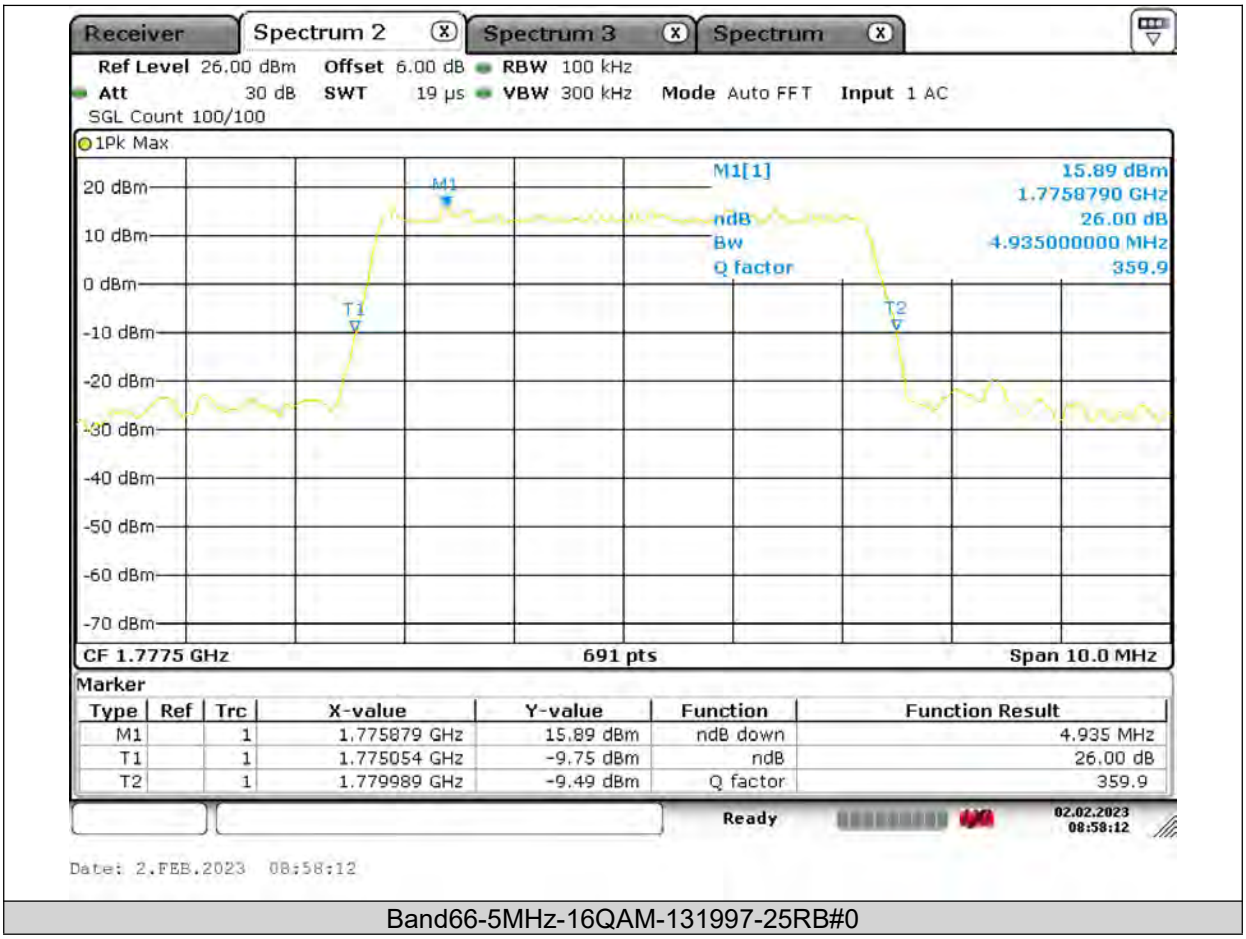
Band66-5MHz-QPSK-131997-25RB#0



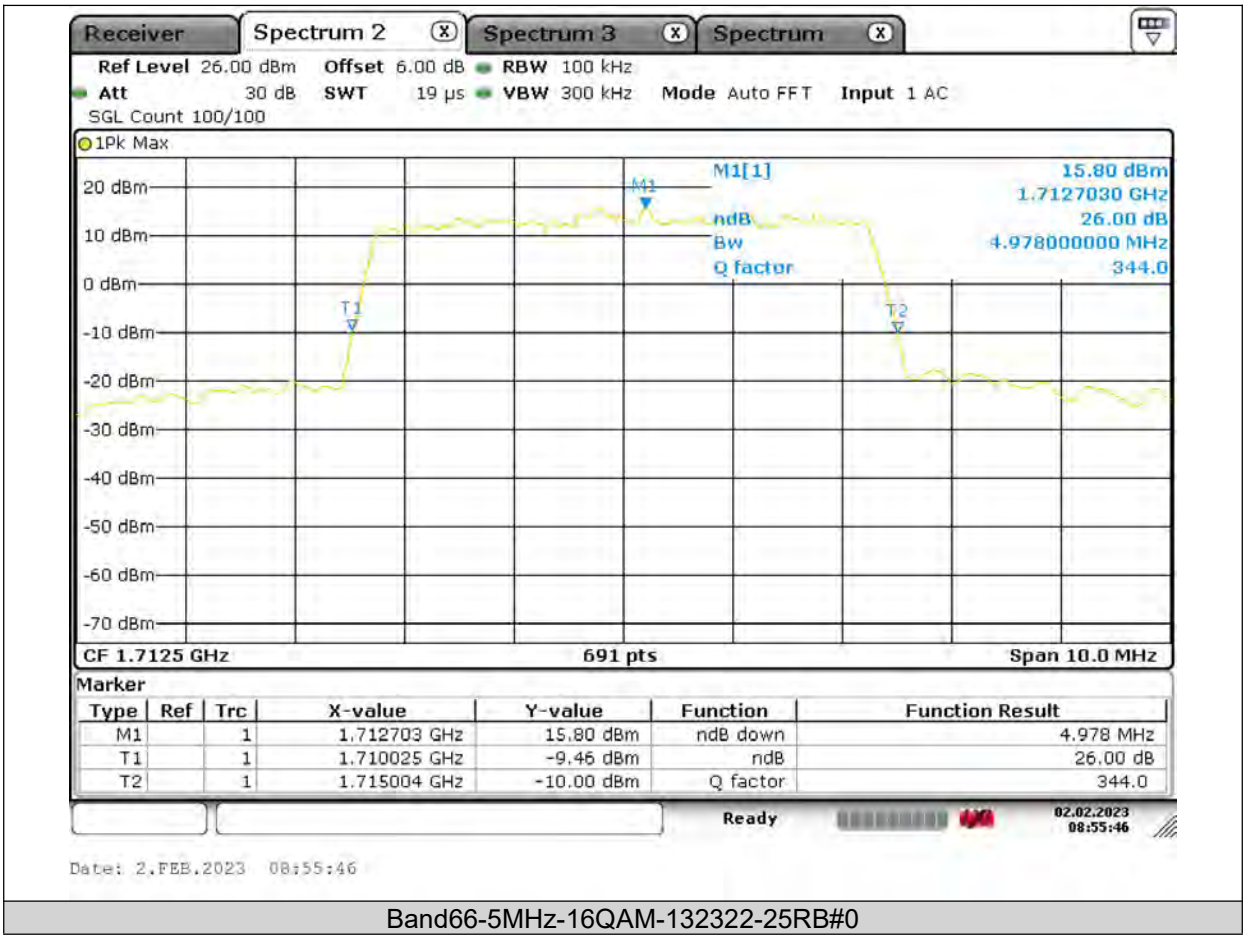
Band66-5MHz-QPSK-132322-25RB#0



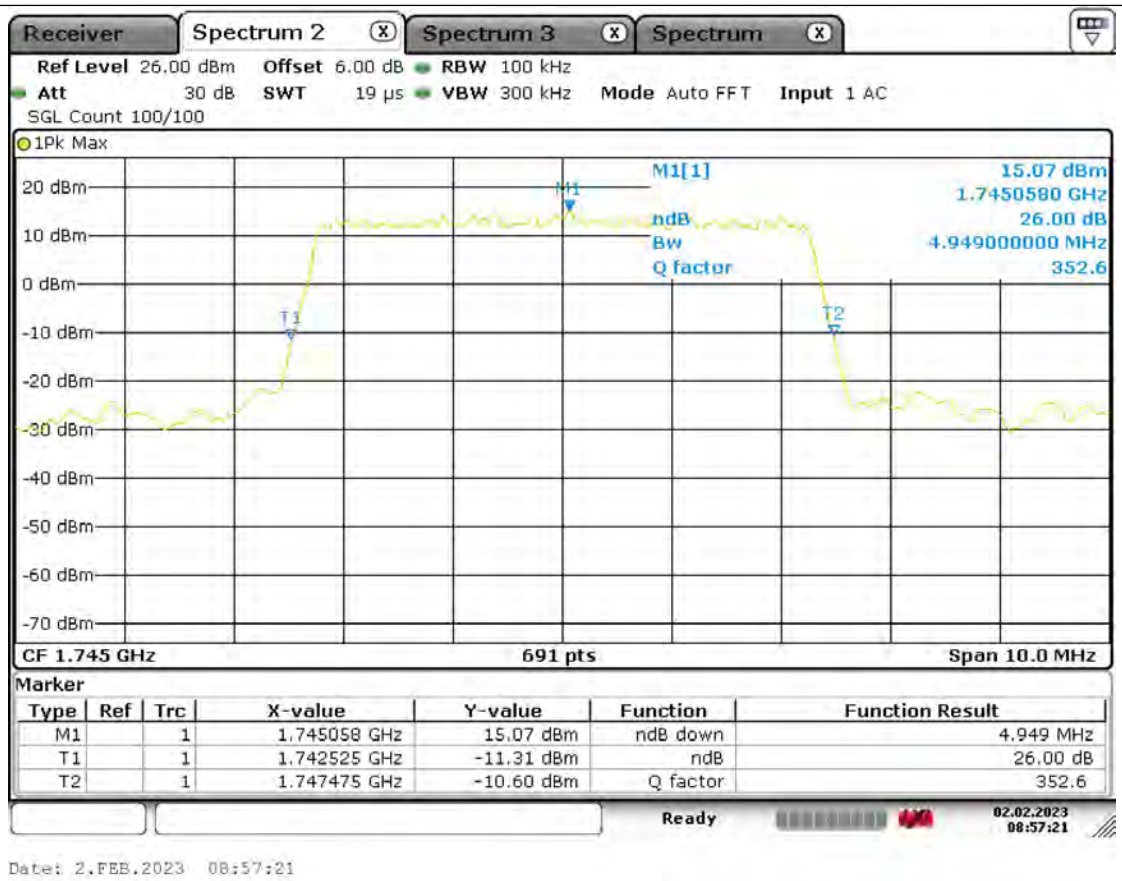
Band66-5MHz-QPSK-132647-25RB#0



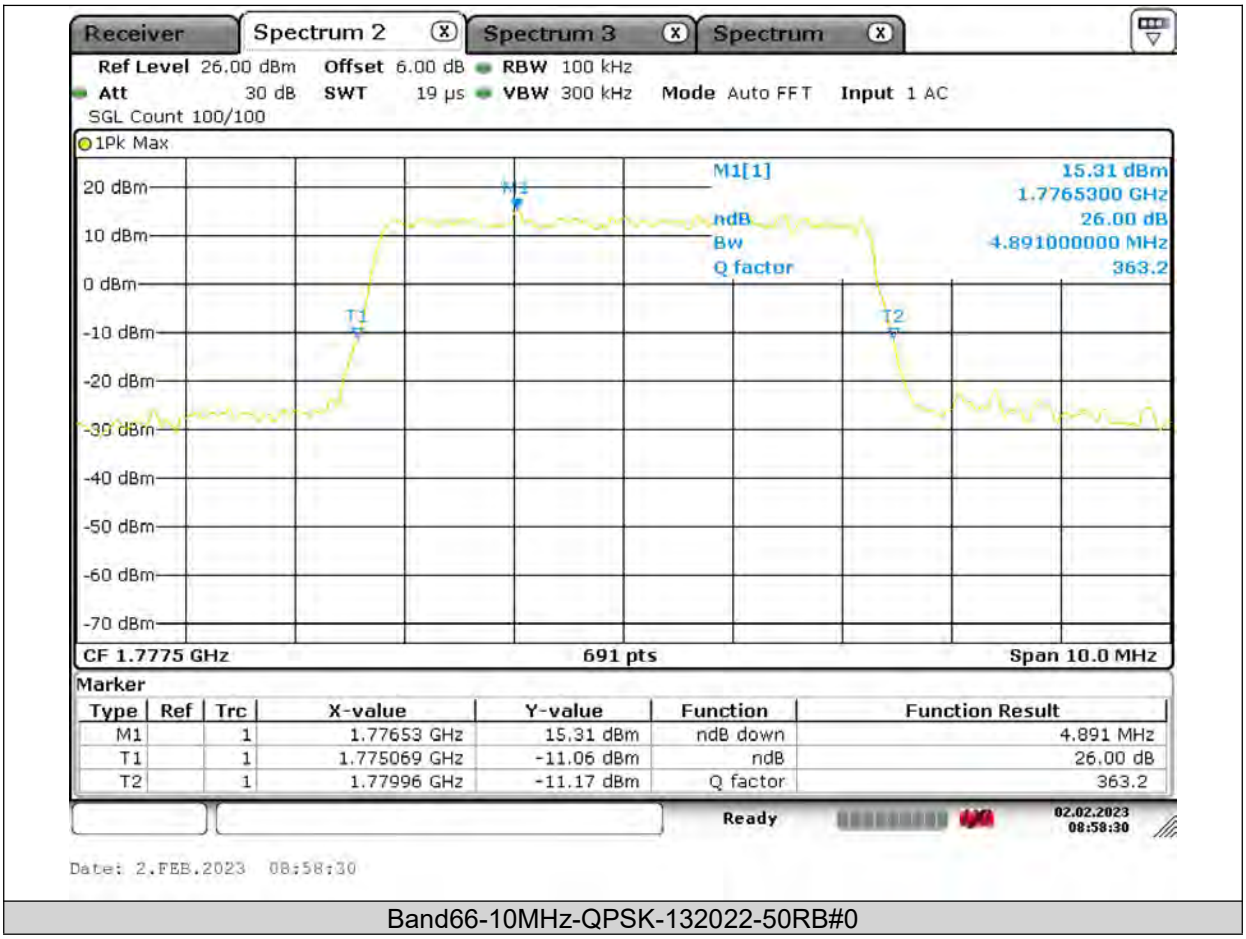
Band66-5MHz-16QAM-131997-25RB#0



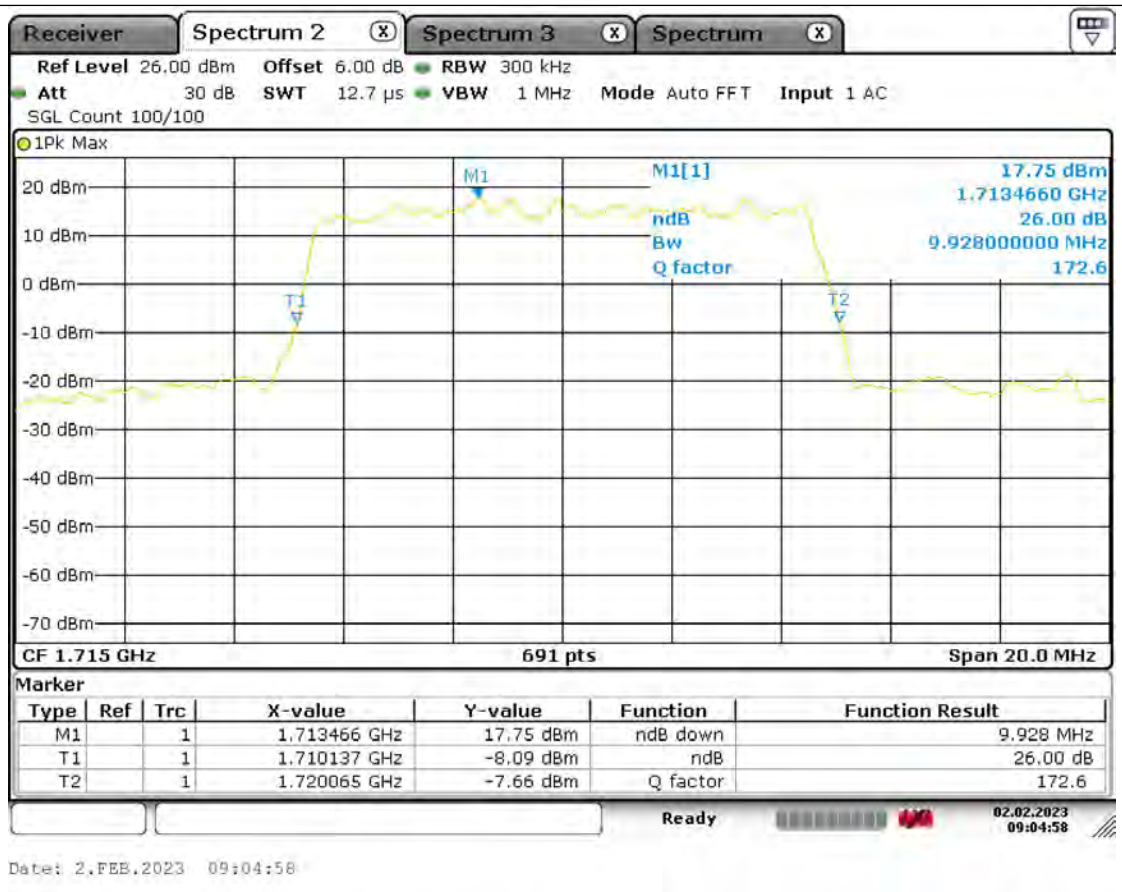
Band66-5MHz-16QAM-132322-25RB#0



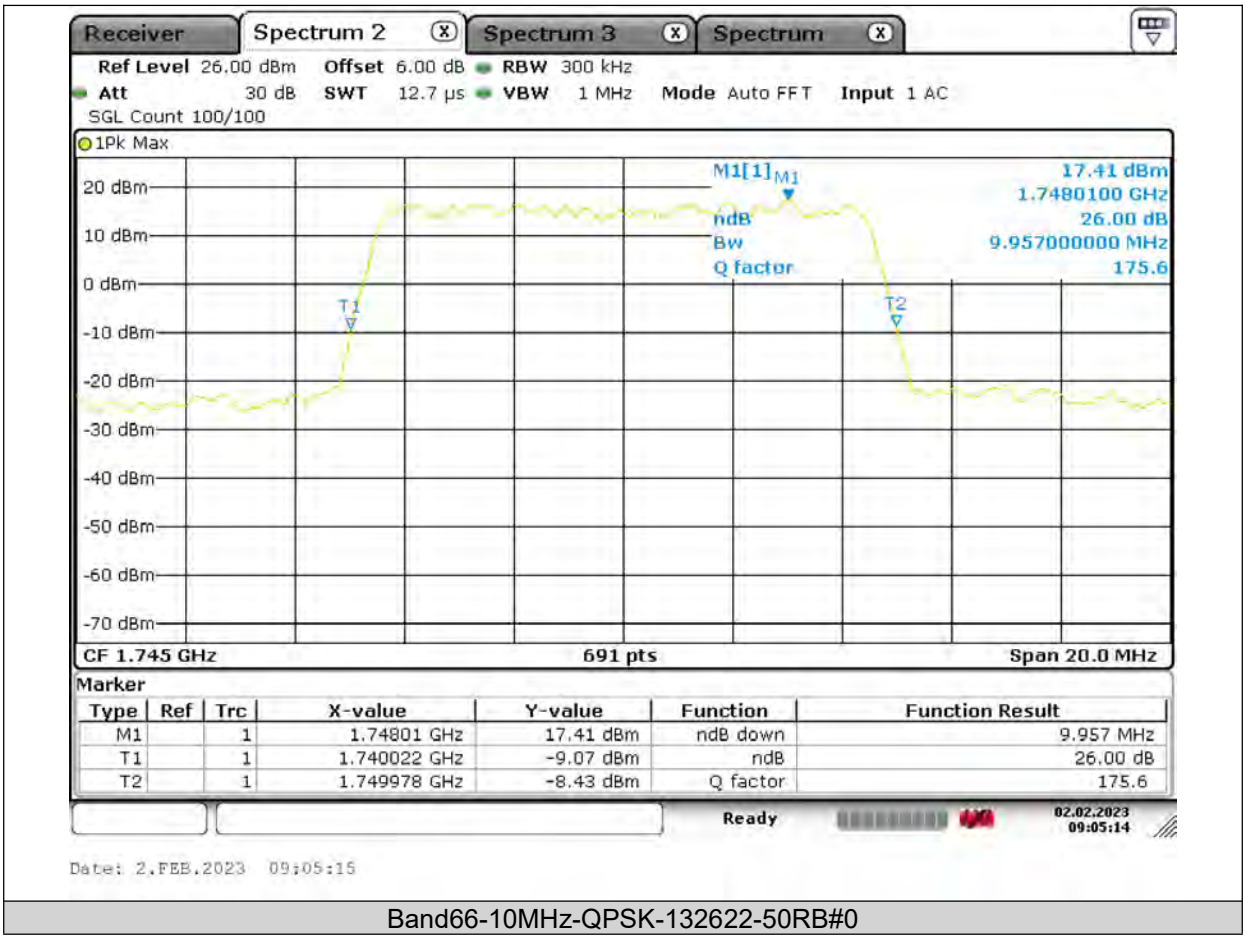
Band66-5MHz-16QAM-132647-25RB#0



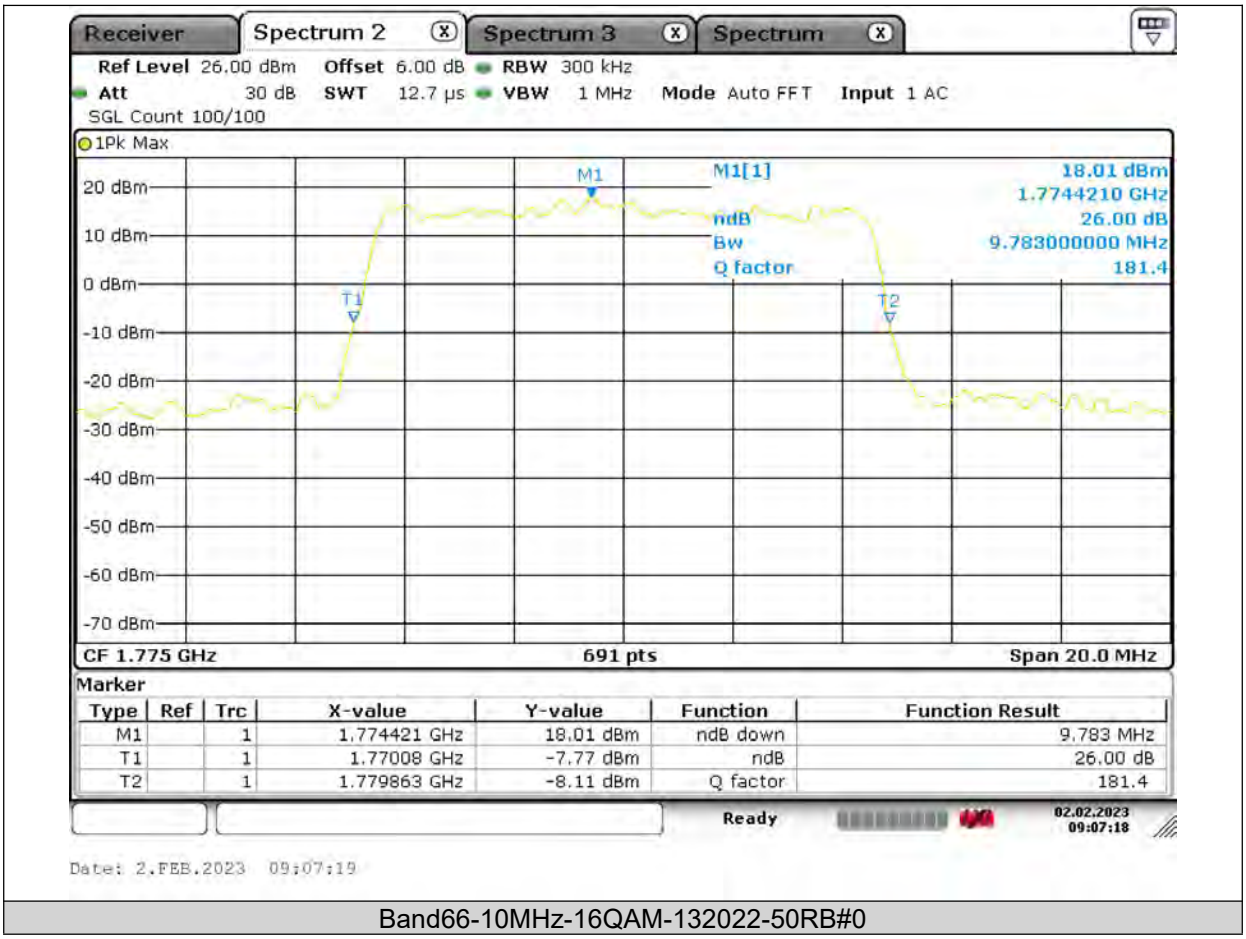
Band66-10MHz-QPSK-132022-50RB#0



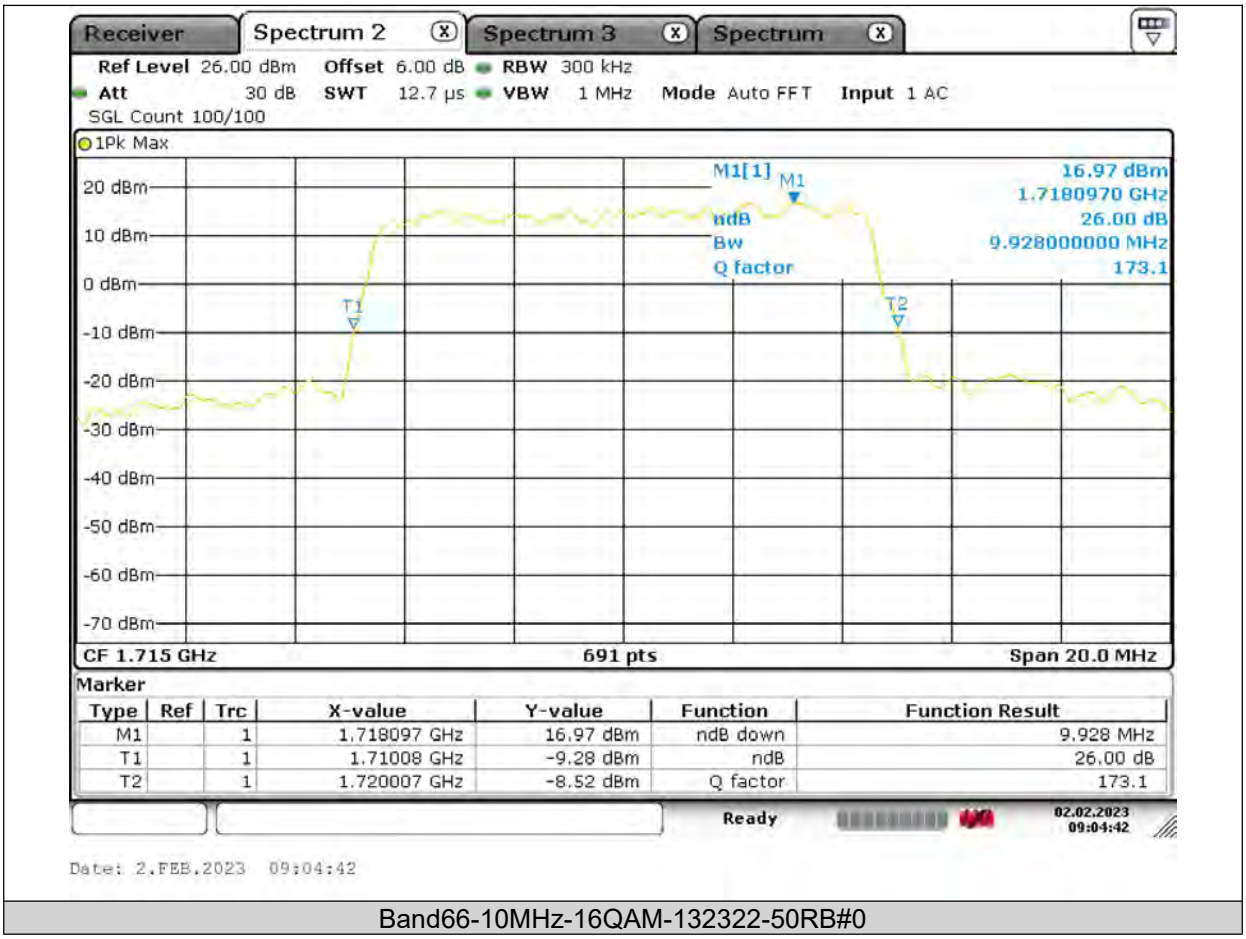
Band66-10MHz-QPSK-132322-50RB#0



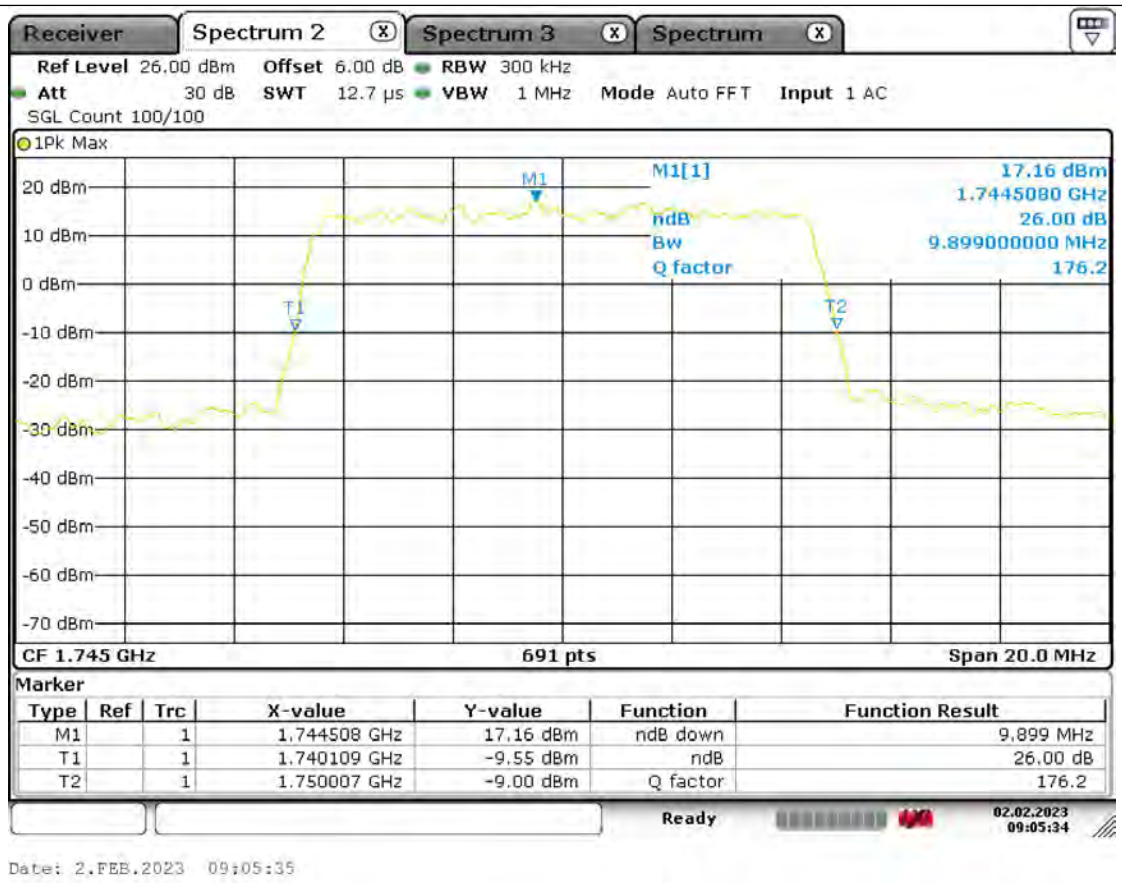
Band66-10MHz-QPSK-132622-50RB#0



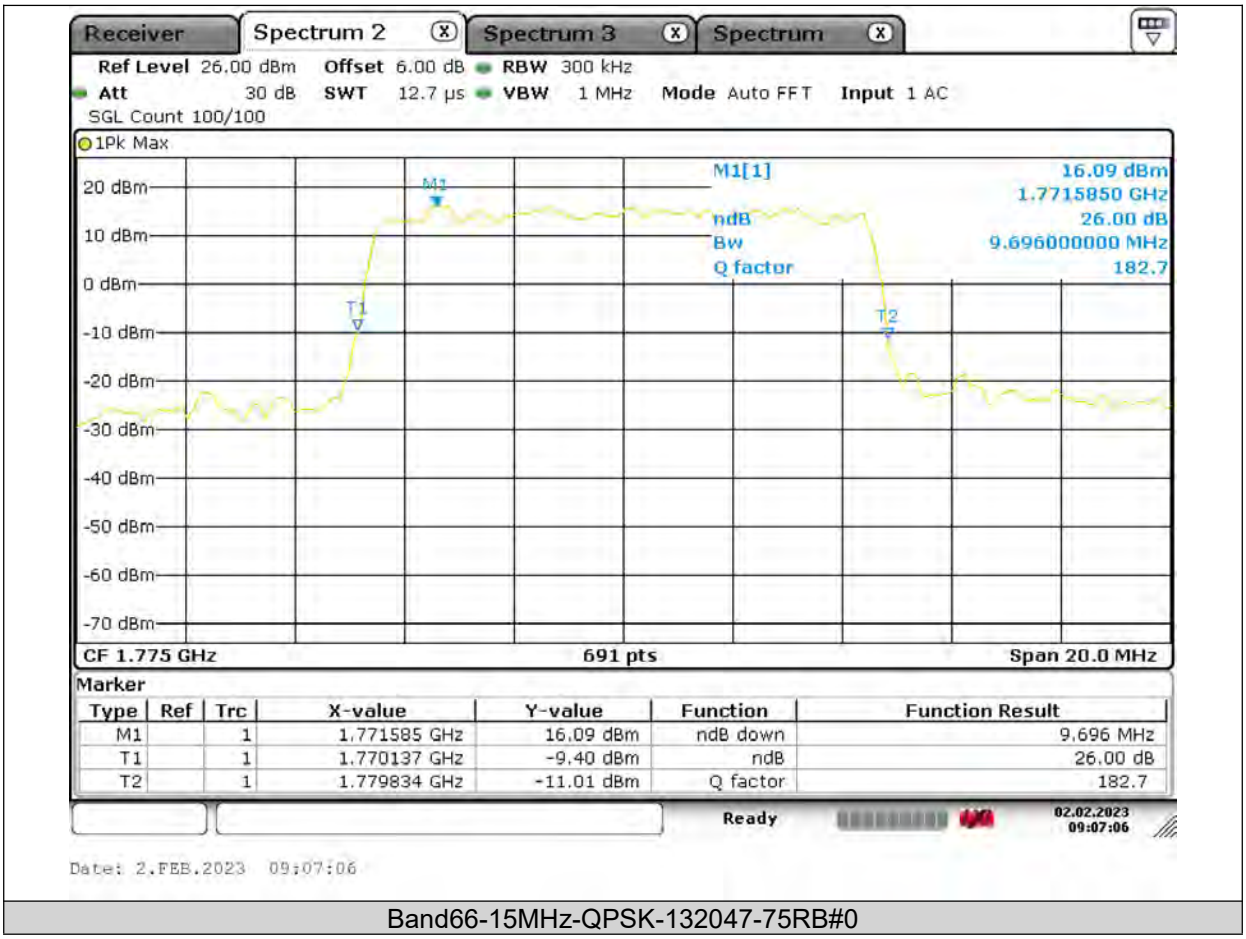
Band66-10MHz-16QAM-132022-50RB#0



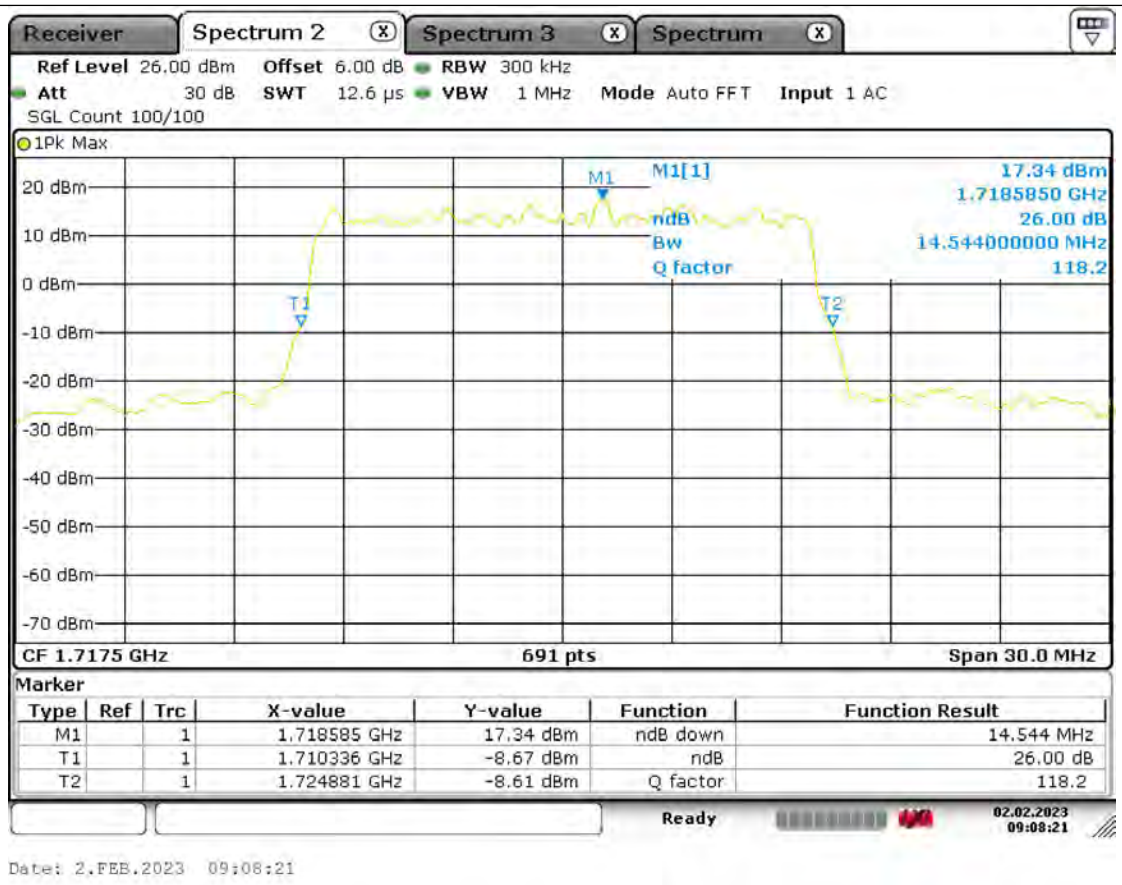
Band66-10MHz-16QAM-132322-50RB#0



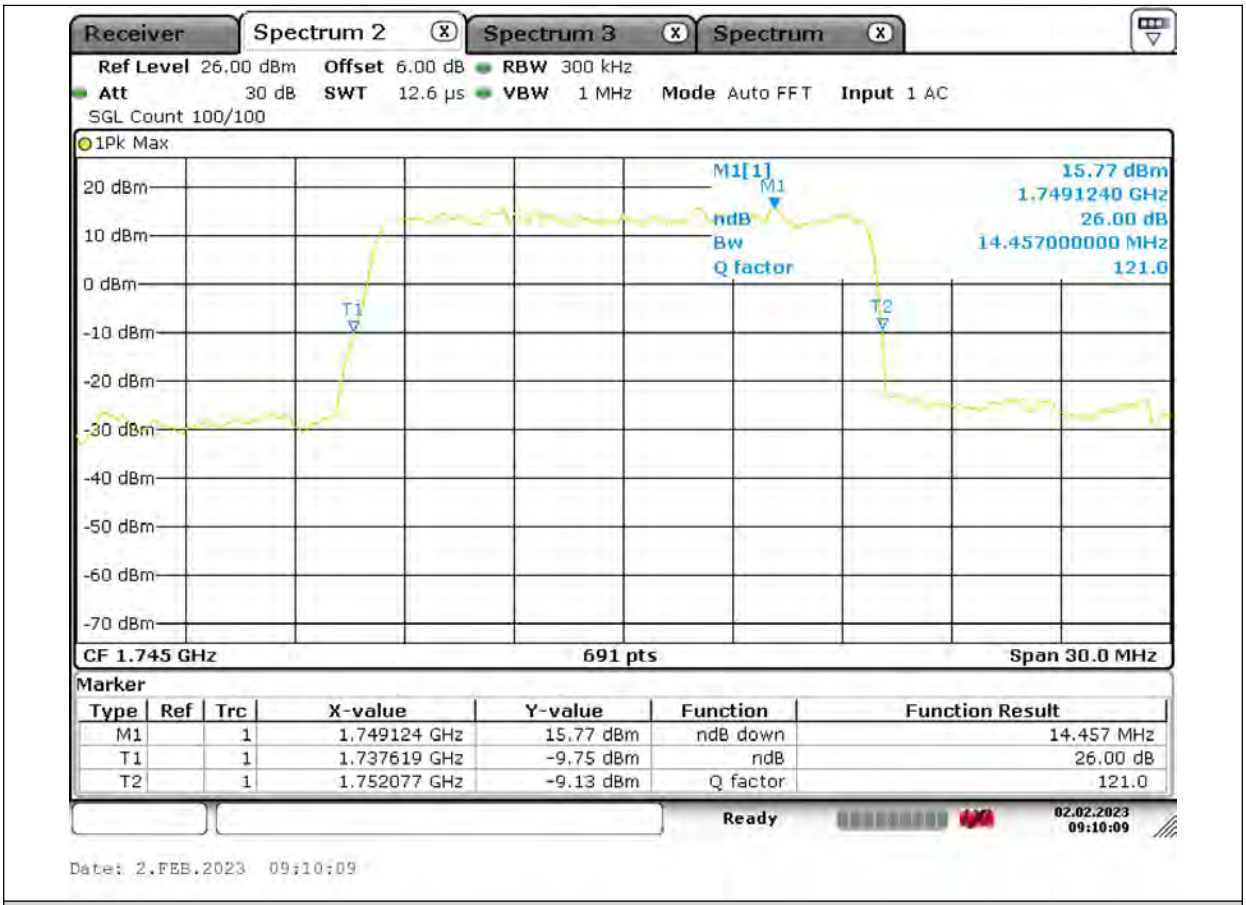
Band66-10MHz-16QAM-132622-50RB#0



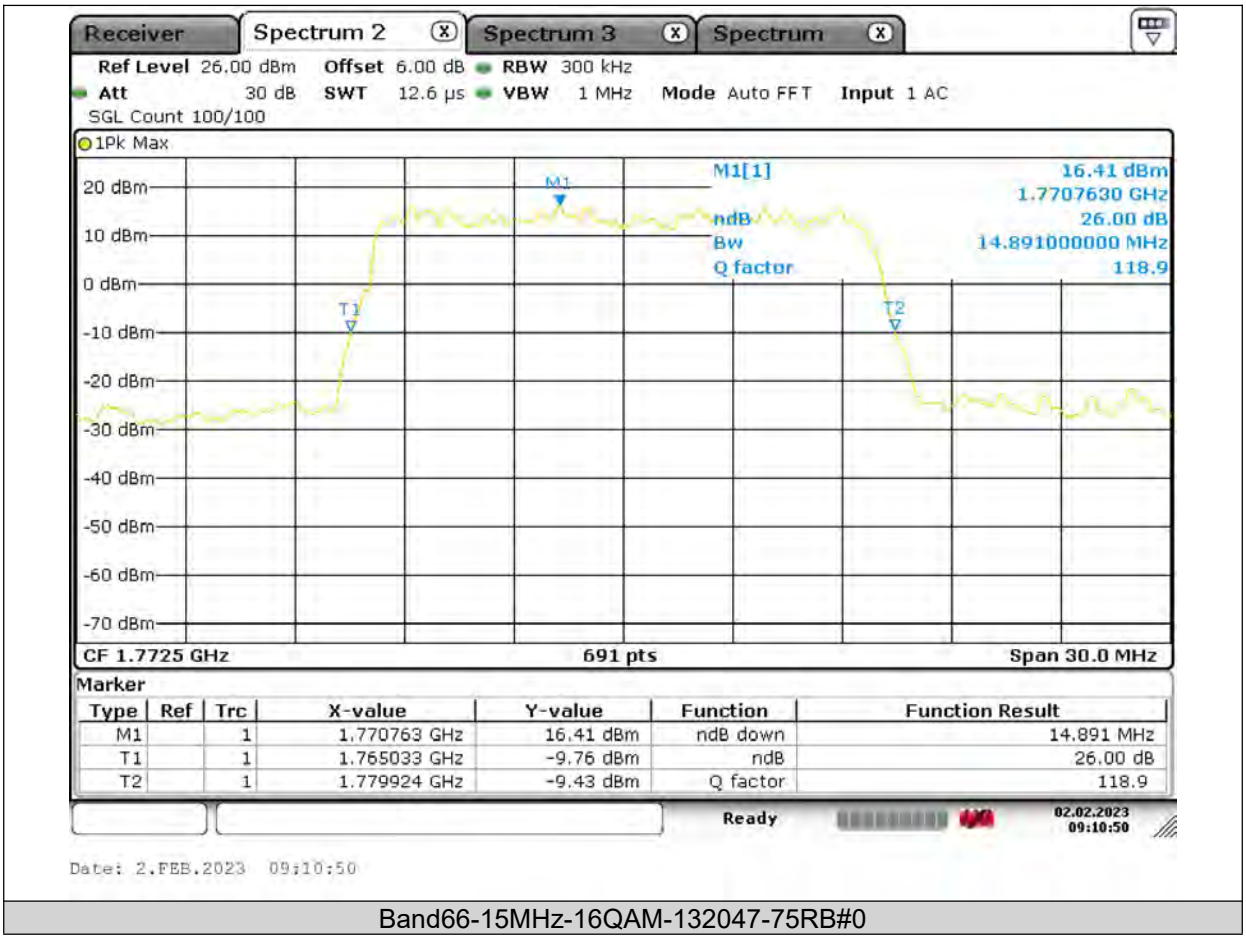
Band66-15MHz-QPSK-132047-75RB#0



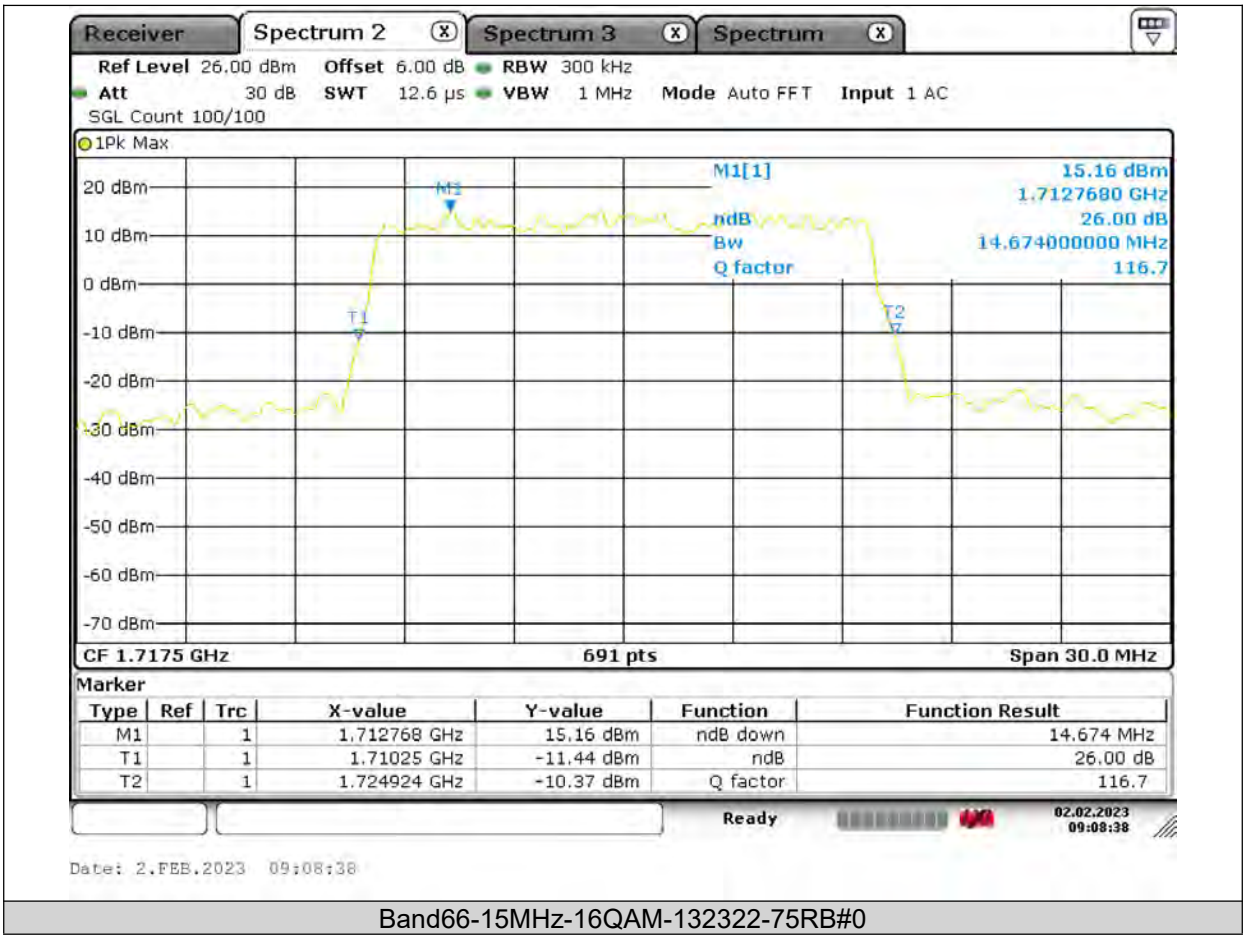
Band66-15MHz-QPSK-132322-75RB#0



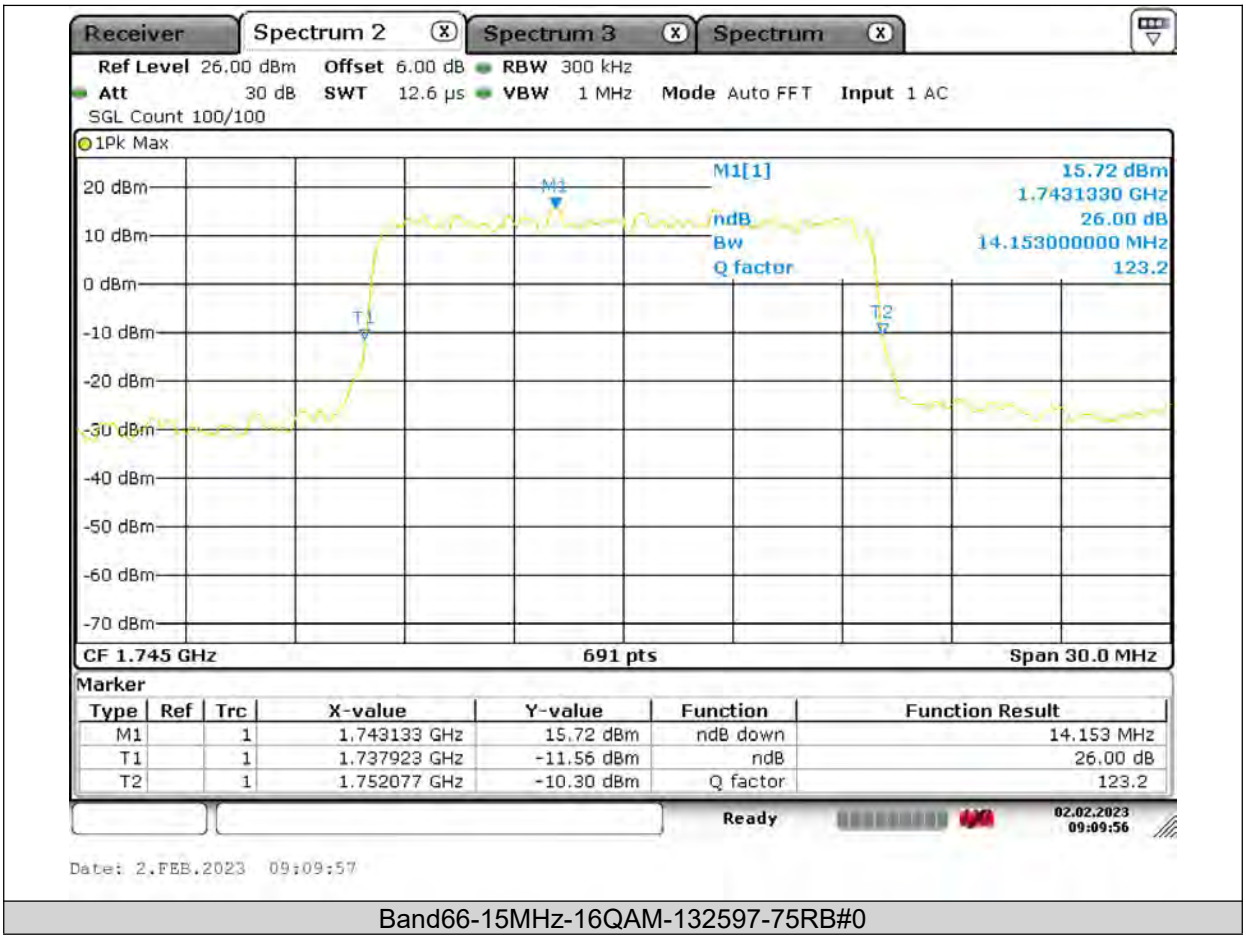
Band66-15MHz-QPSK-132597-75RB#0



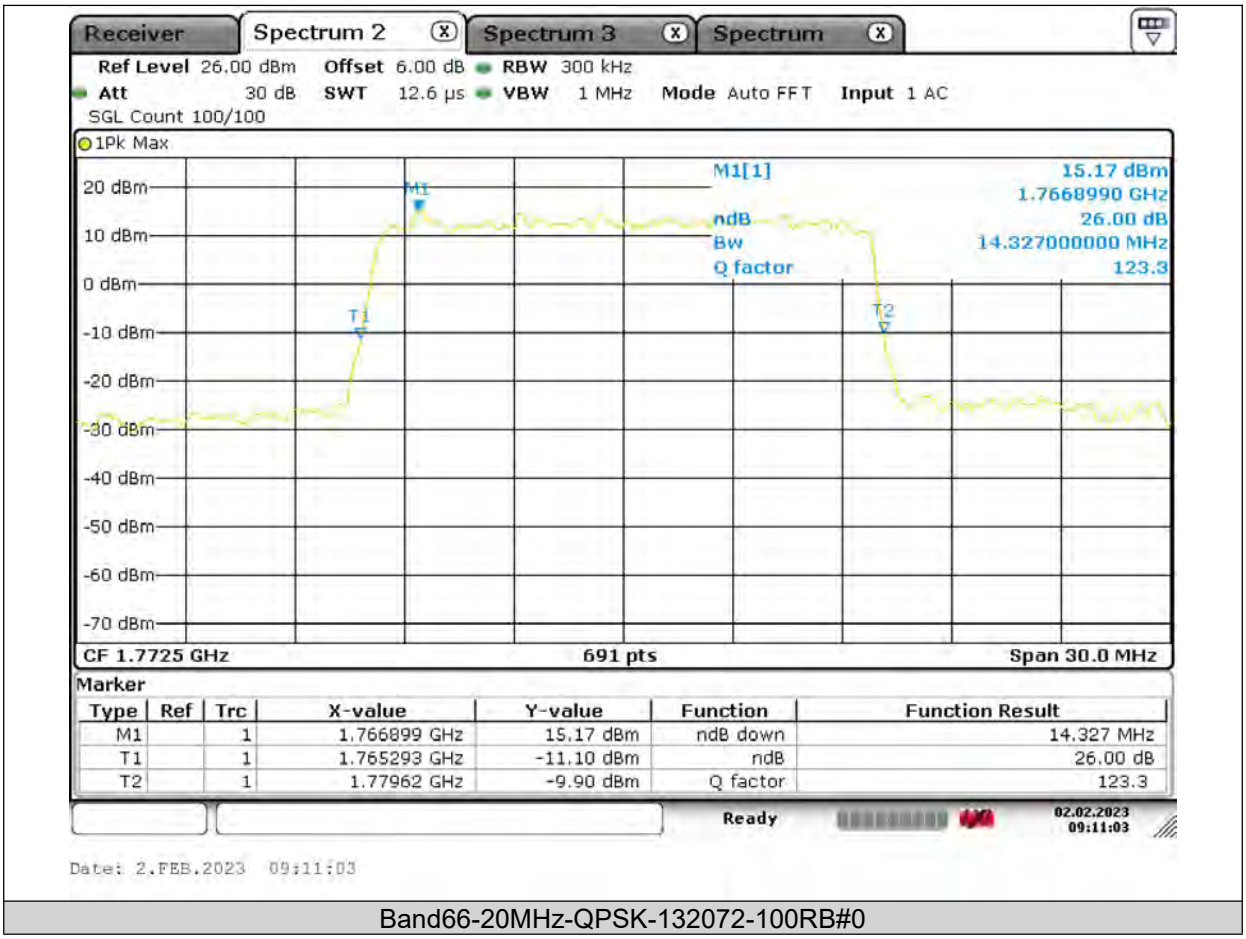
Band66-15MHz-16QAM-132047-75RB#0



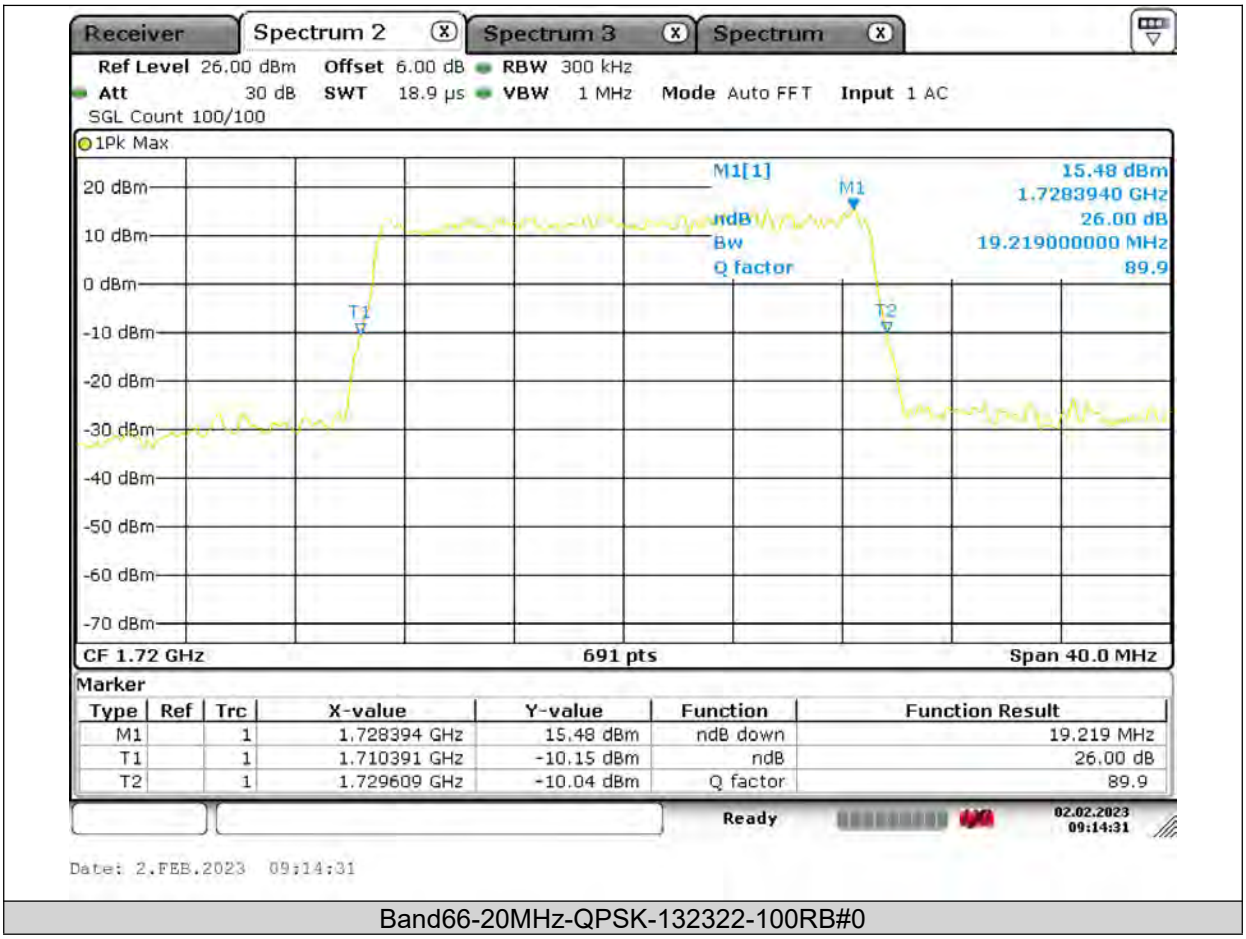
Band66-15MHz-16QAM-132322-75RB#0



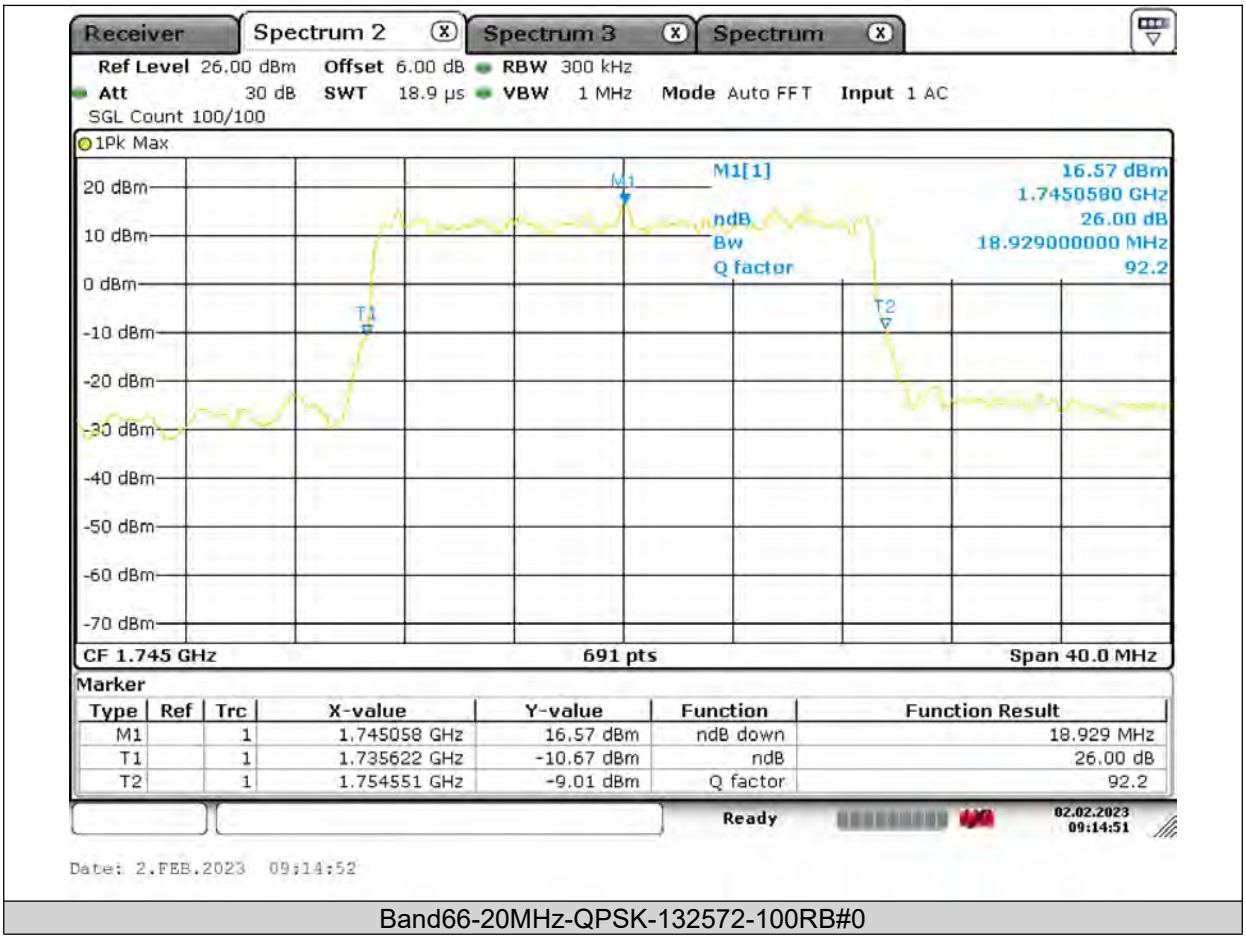
Band66-15MHz-16QAM-132597-75RB#0



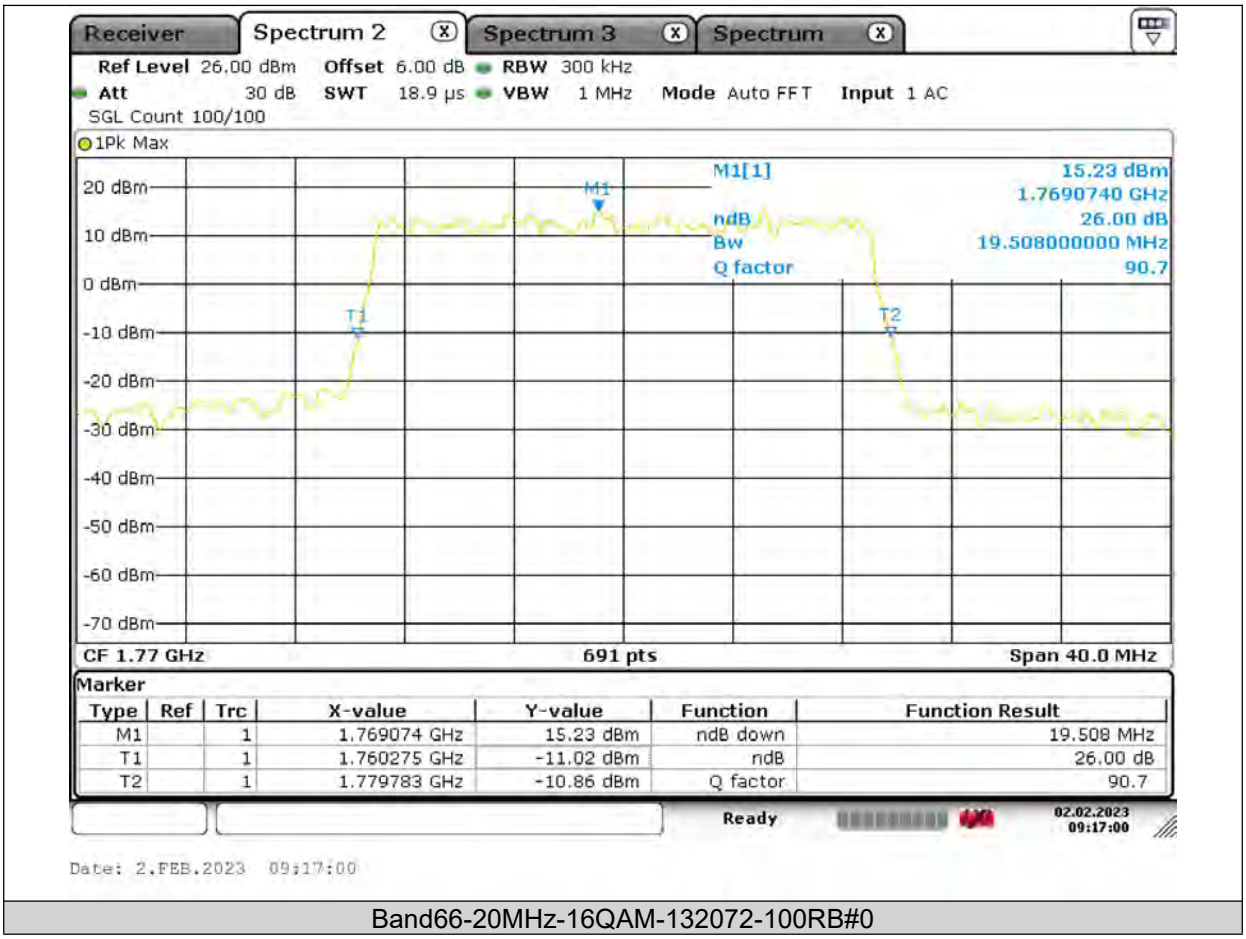
Band66-20MHz-QPSK-132072-100RB#0



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

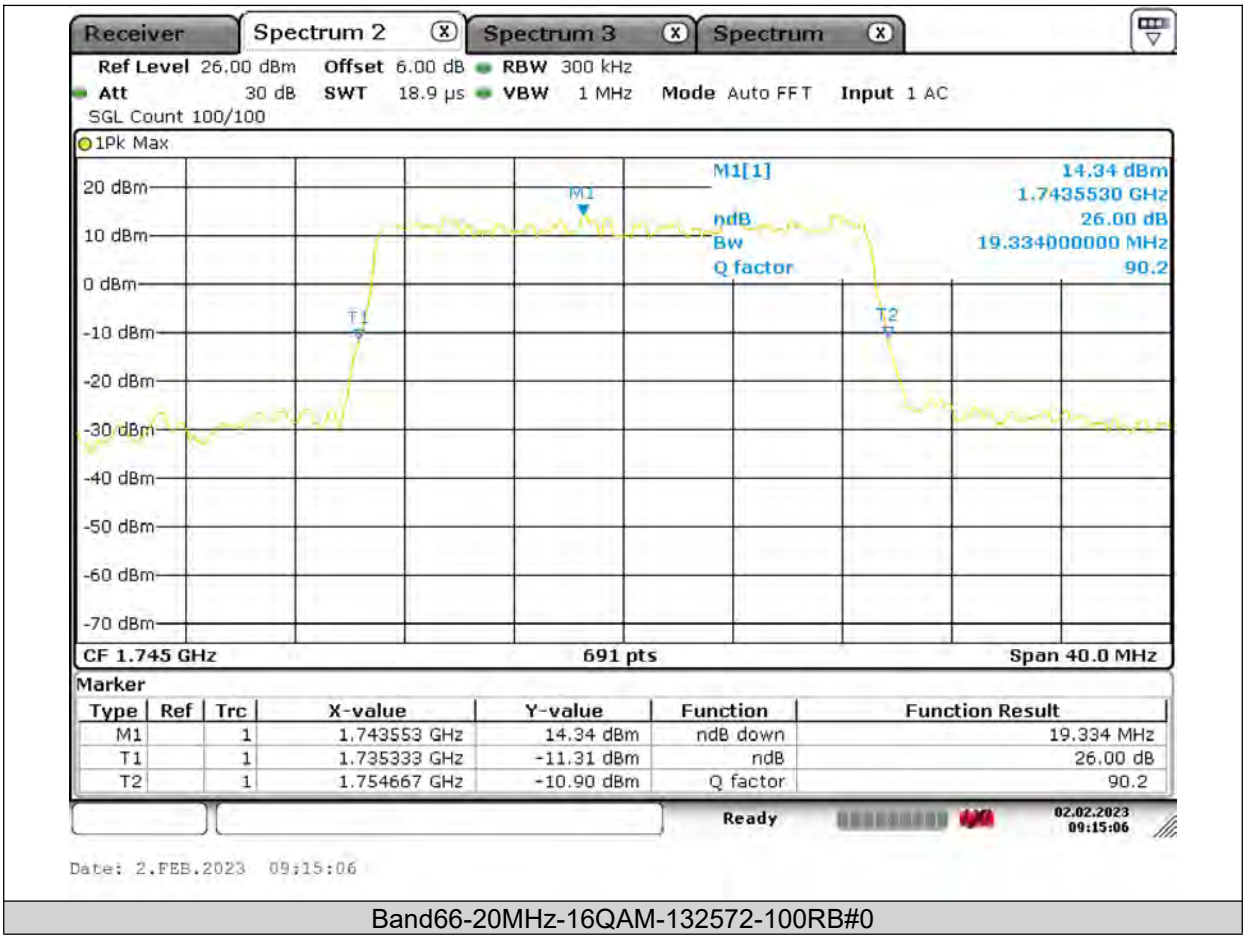


Band66-20MHz-QPSK-132572-100RB#0

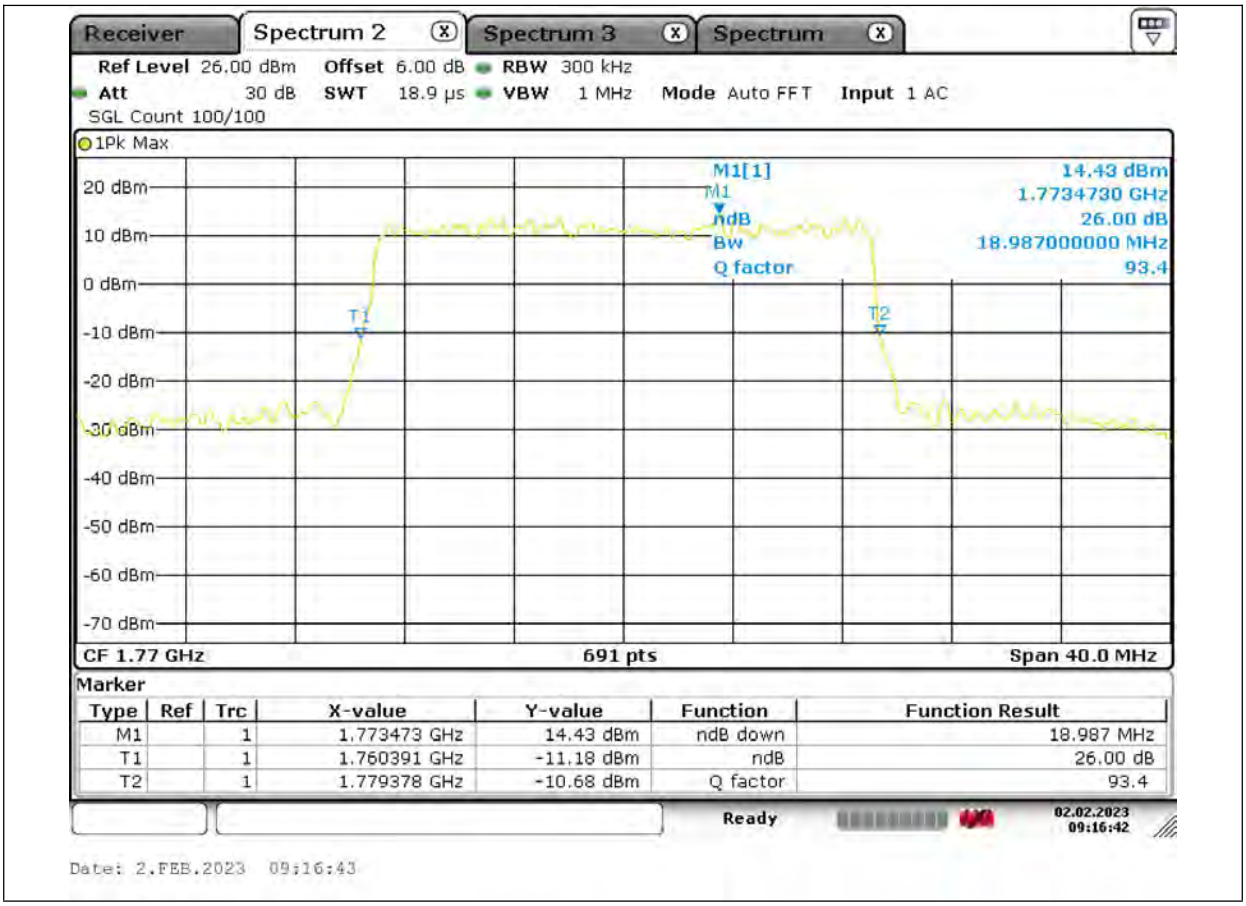


Band66-20MHz-16QAM-132072-100RB#0

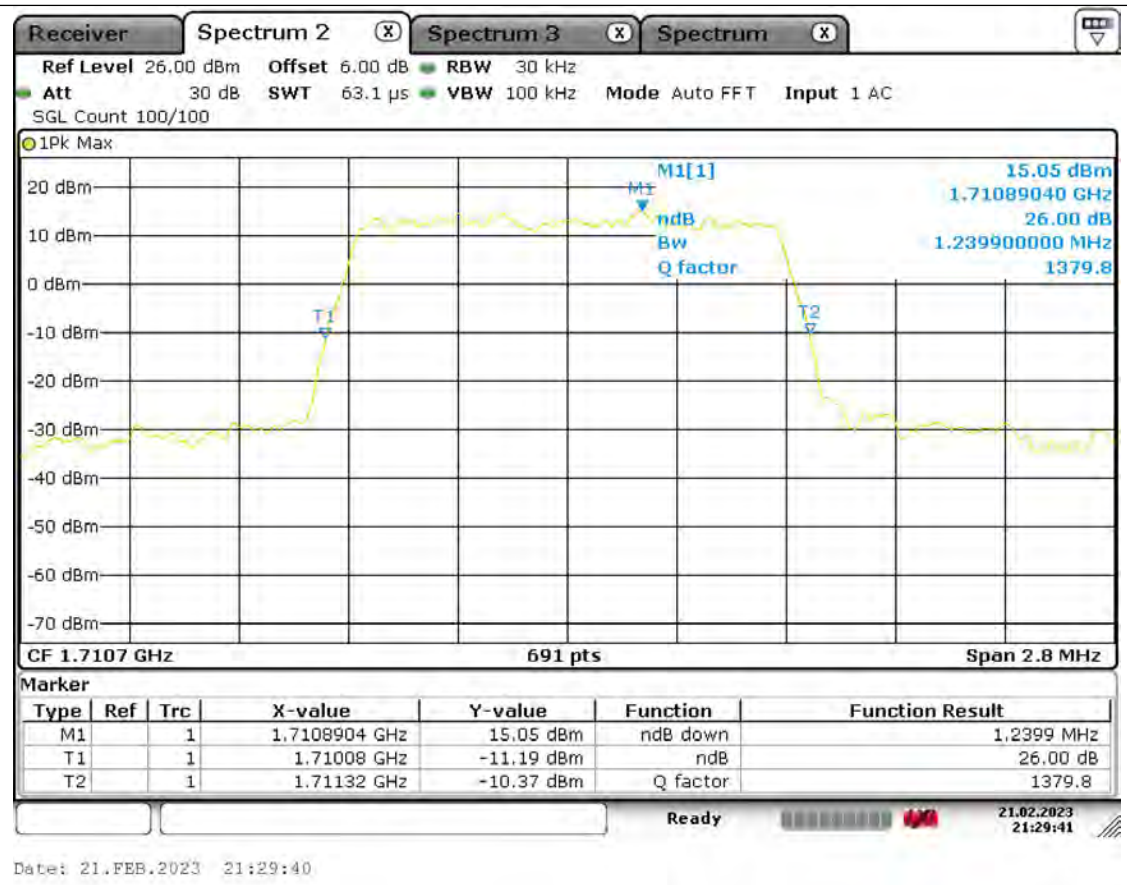
Band66-20MHz-16QAM-132322-100RB#0



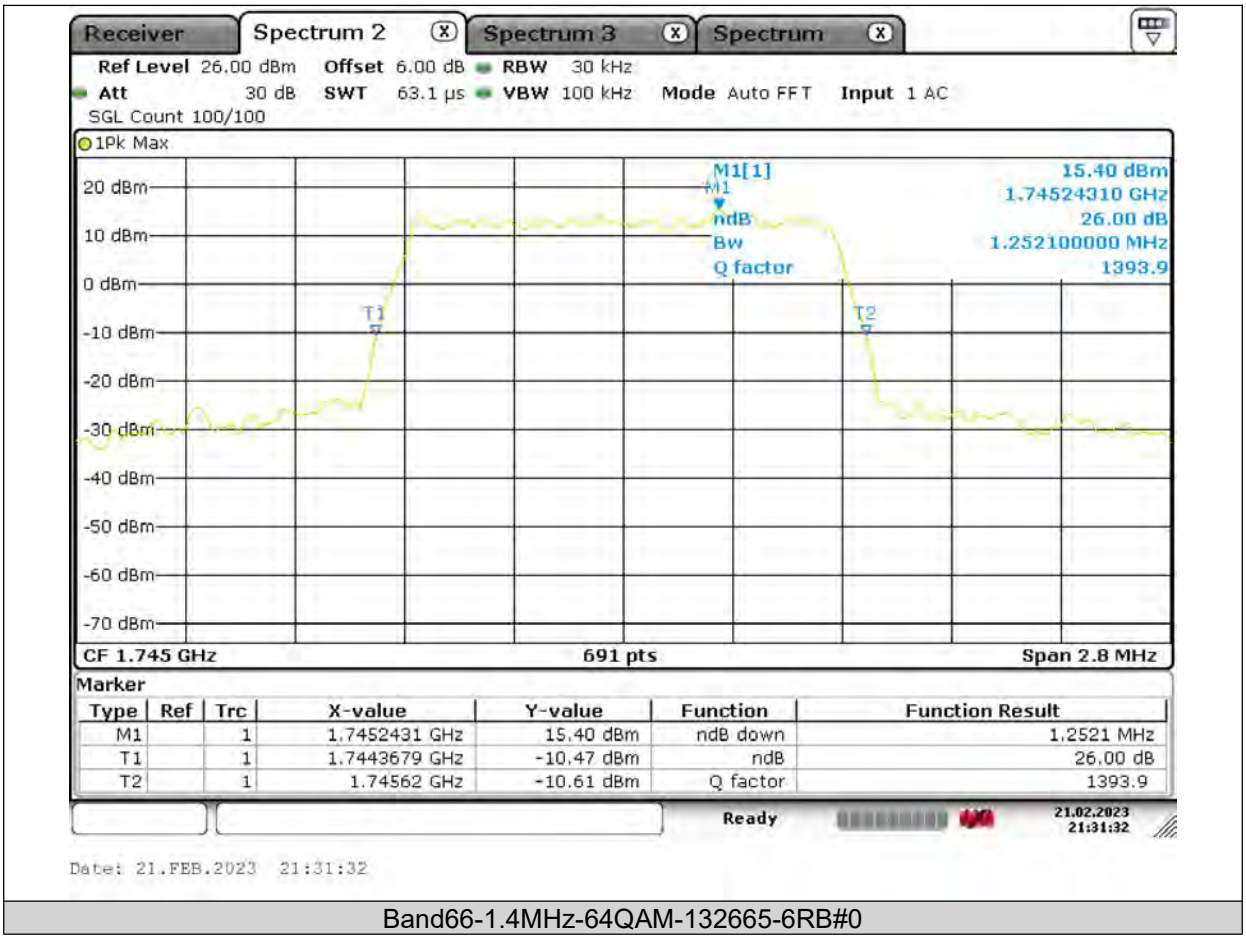
Band66-20MHz-16QAM-132572-100RB#0



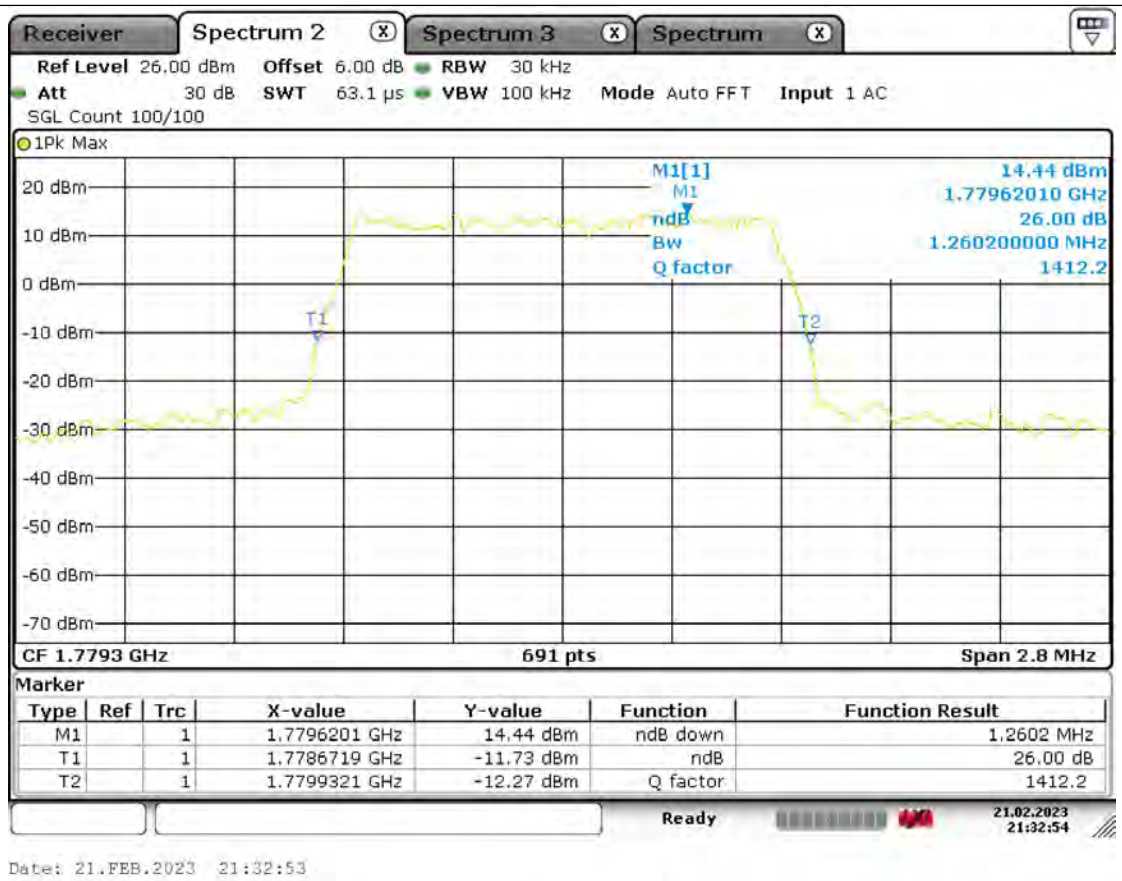
Band66-1.4MHz-64QAM-131979-6RB#0



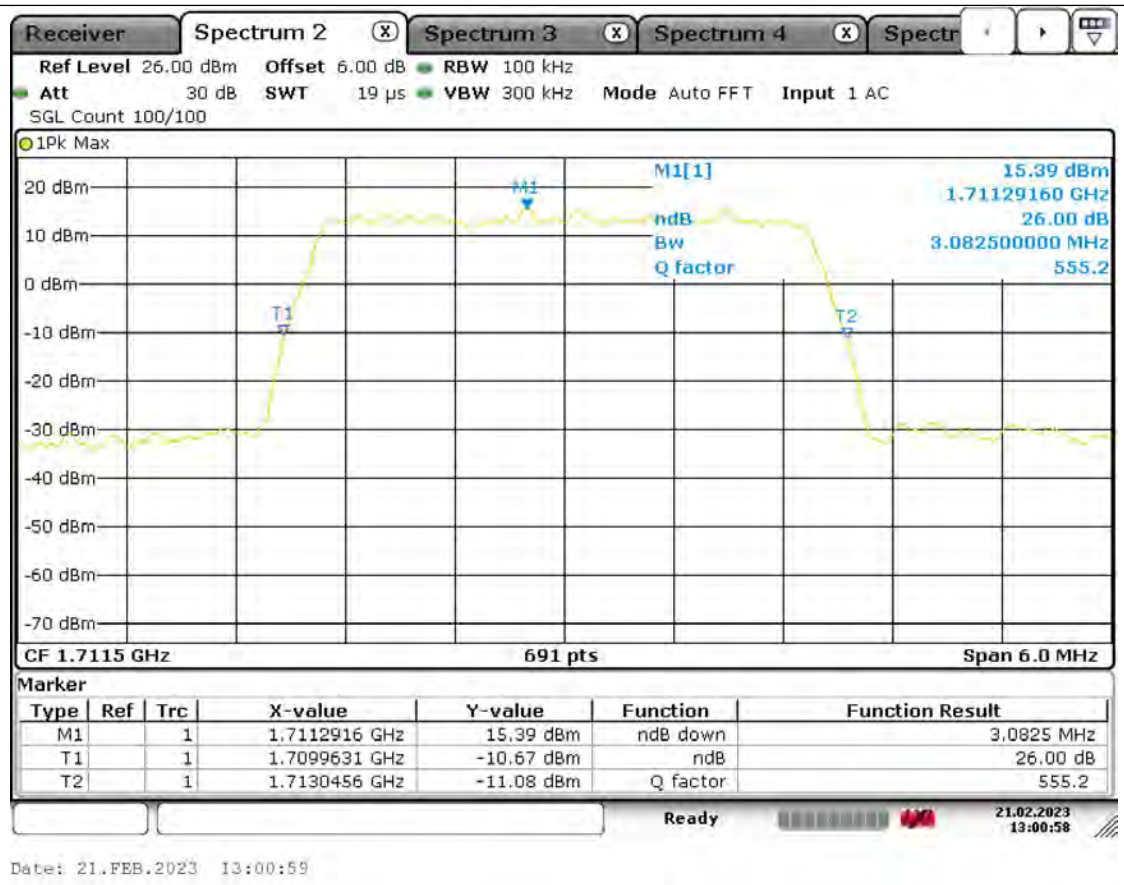
Band66-1.4MHz-64QAM-132322-6RB#0



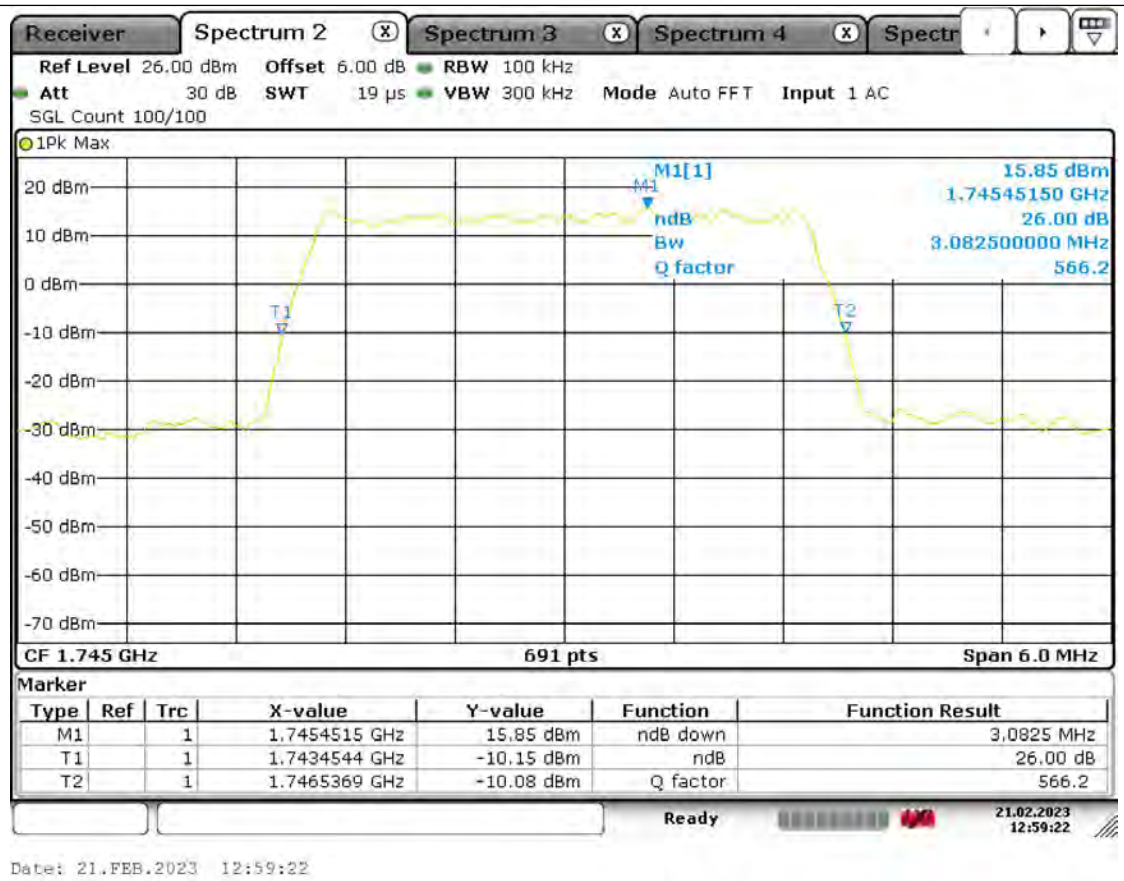
Band66-1.4MHz-64QAM-132665-6RB#0



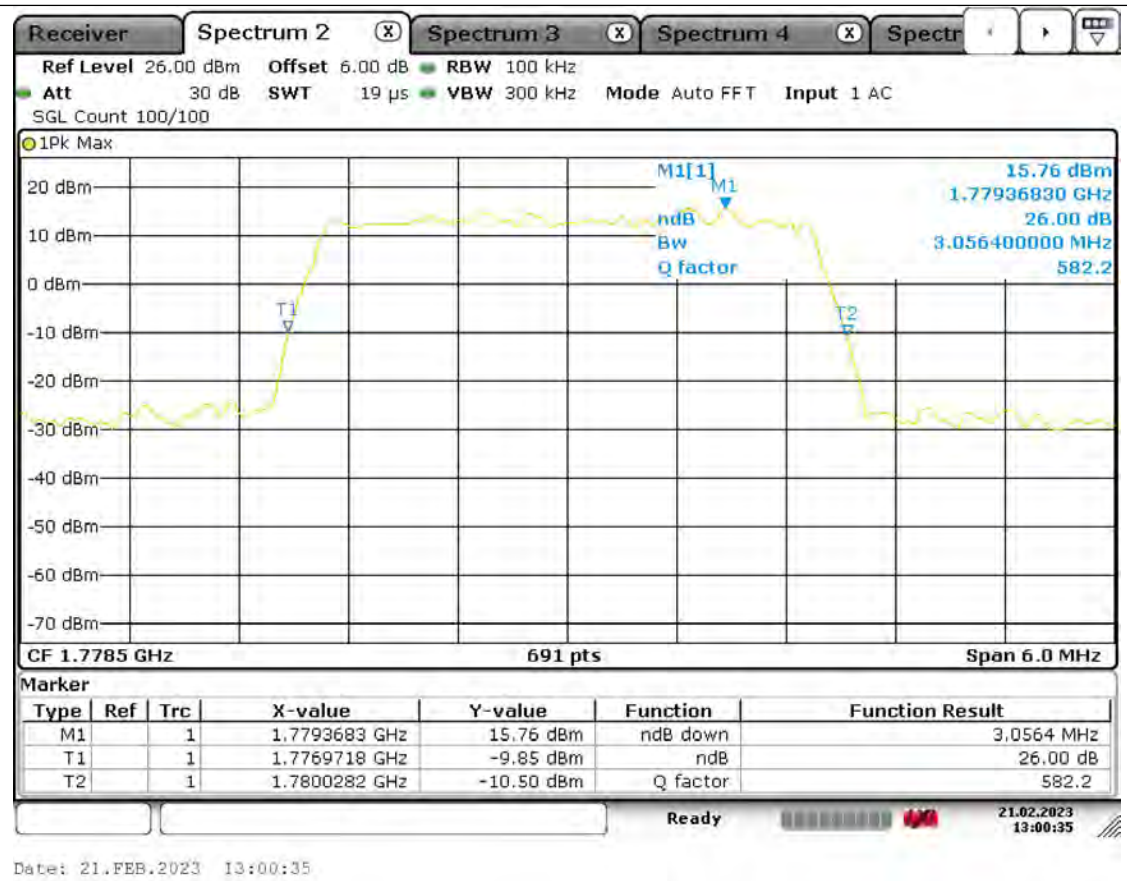
Band66-3MHz-64QAM-131987-15RB#0



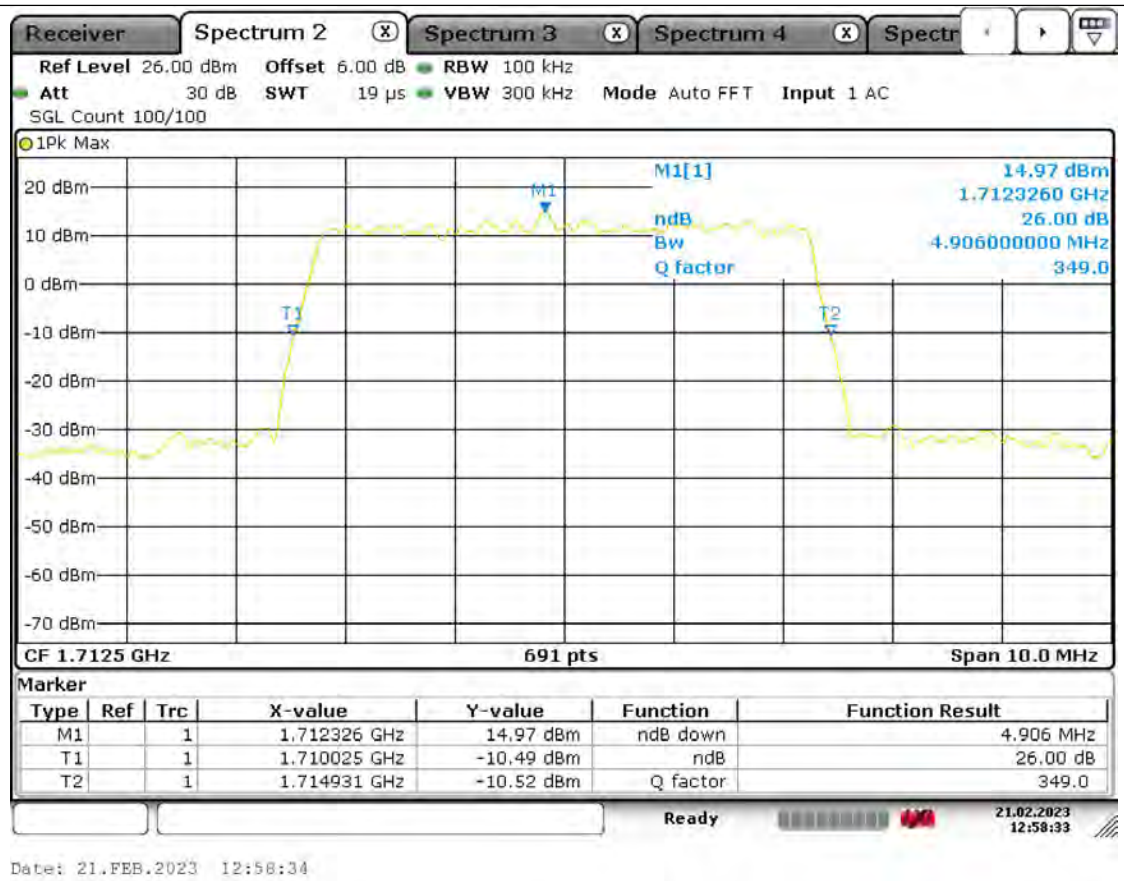
Band66-3MHz-64QAM-132322-15RB#0



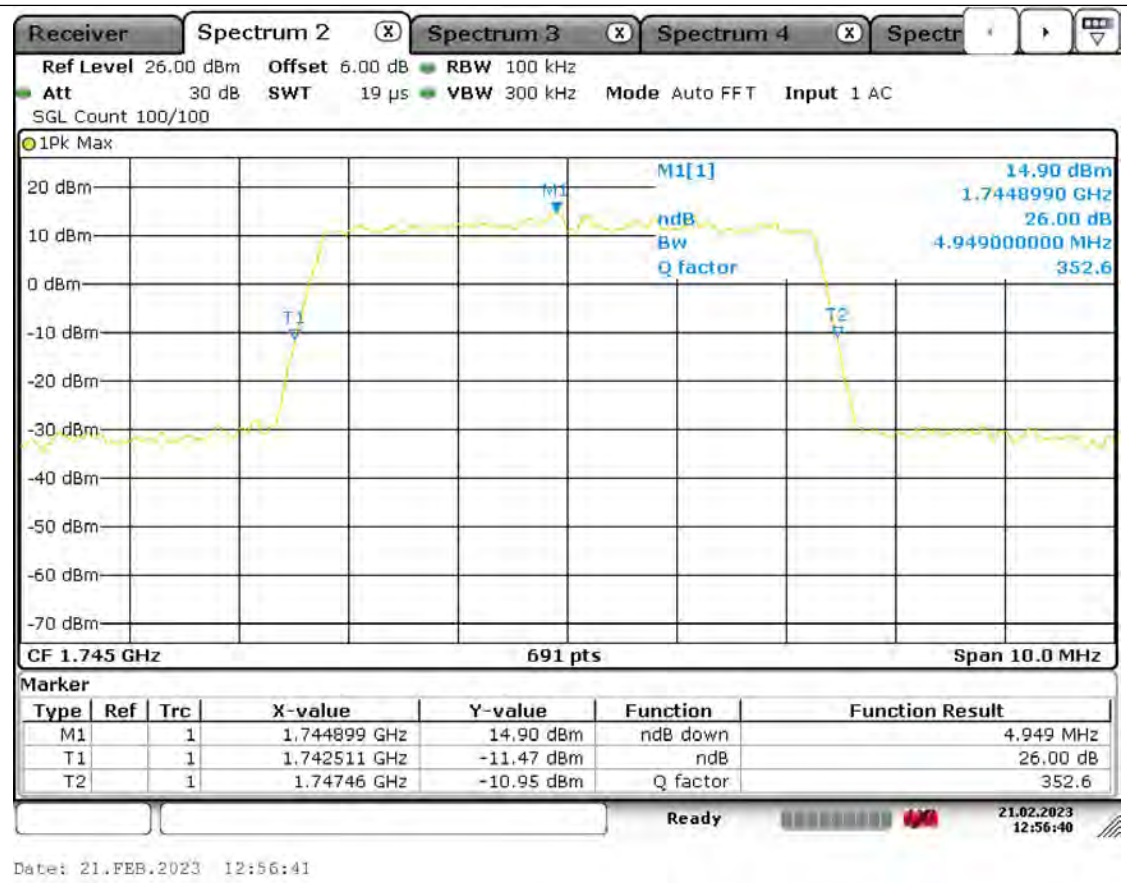
Band66-3MHz-64QAM-132657-15RB#0



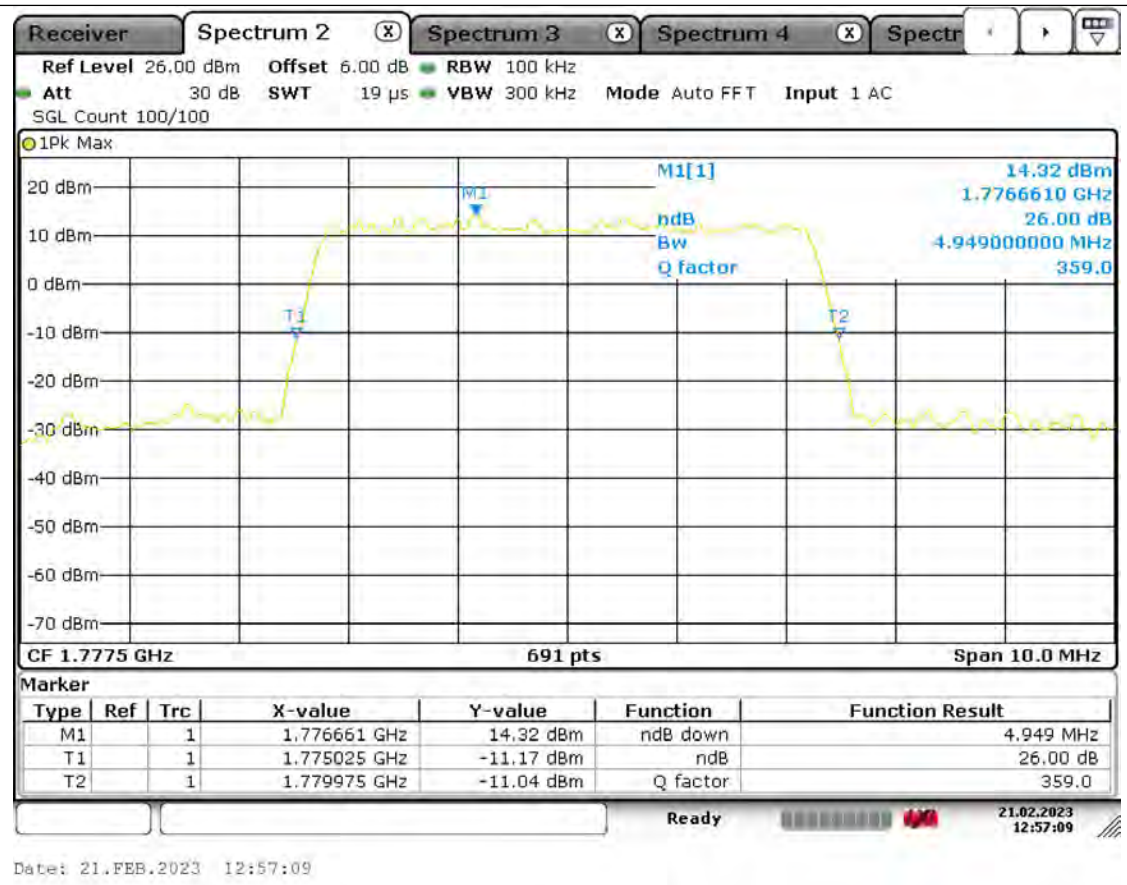
Band66-5MHz-64QAM-131997-25RB#0



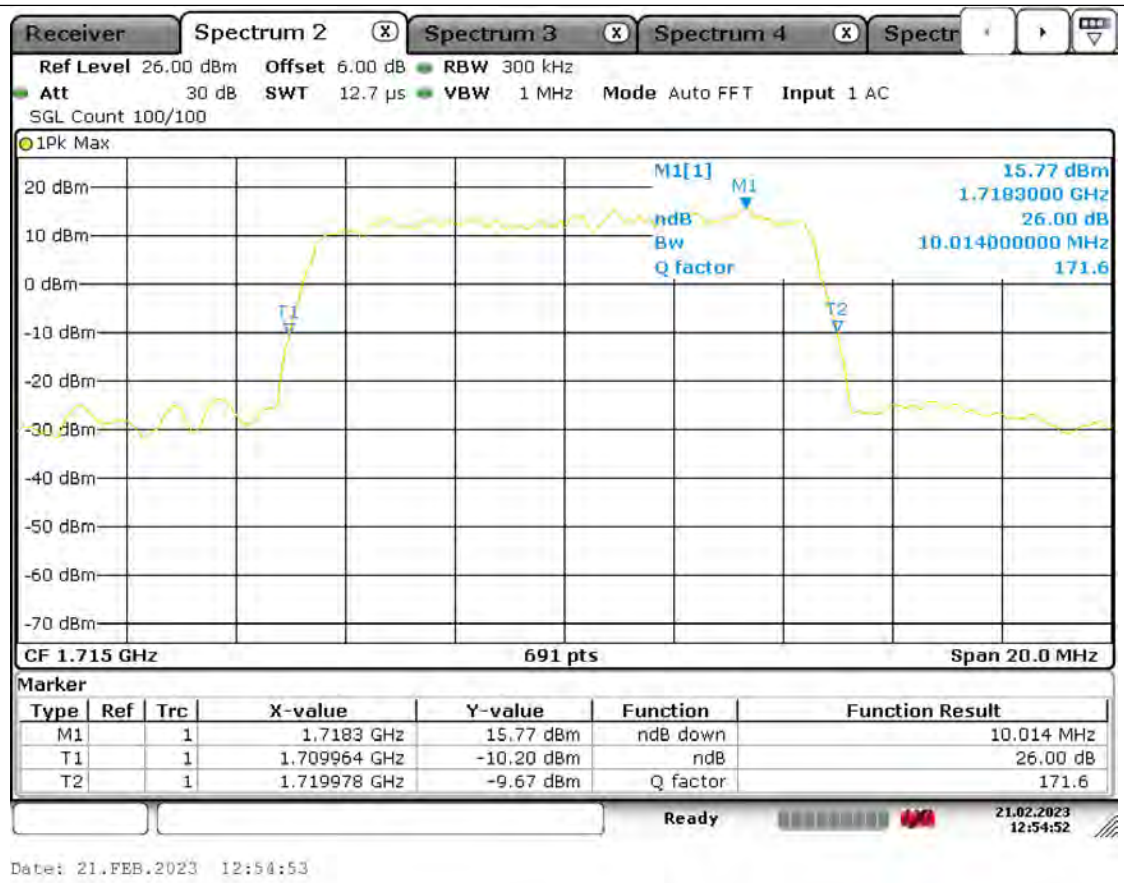
Band66-5MHz-64QAM-132322-25RB#0



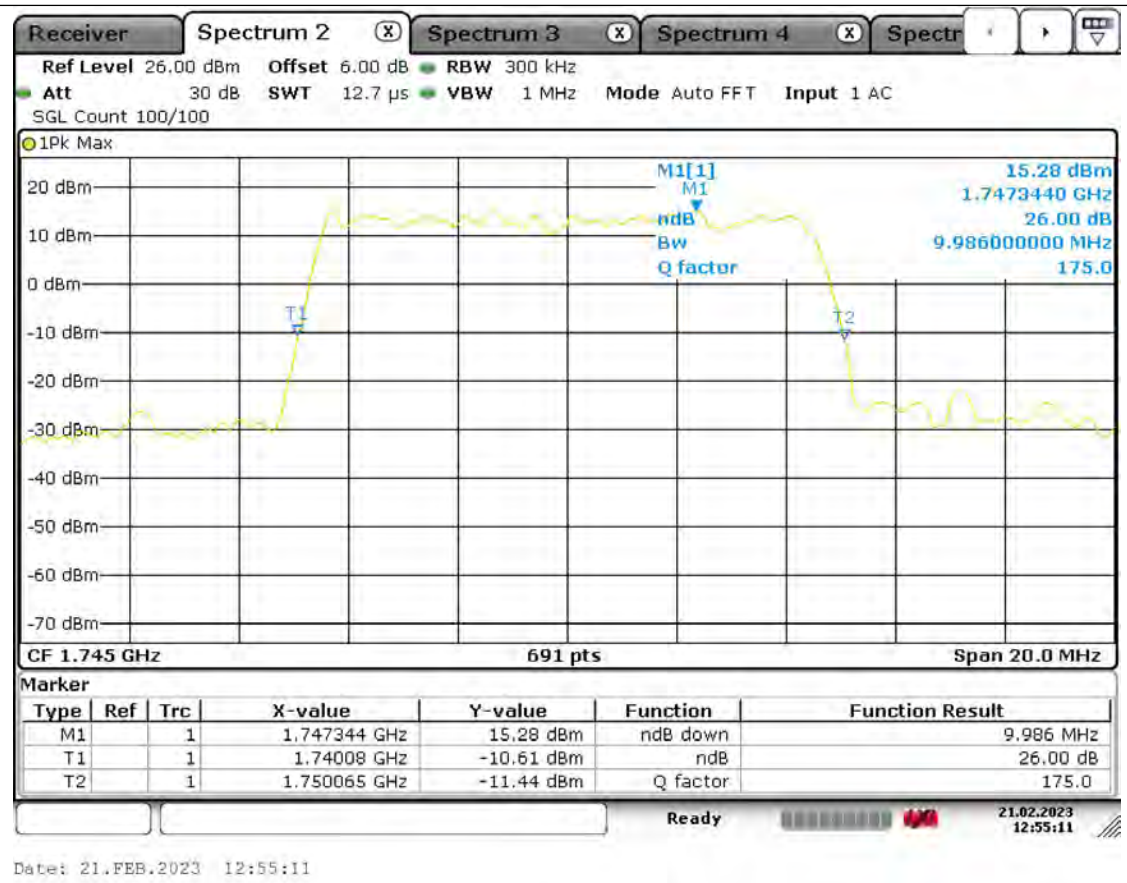
Band66-5MHz-64QAM-132647-25RB#0



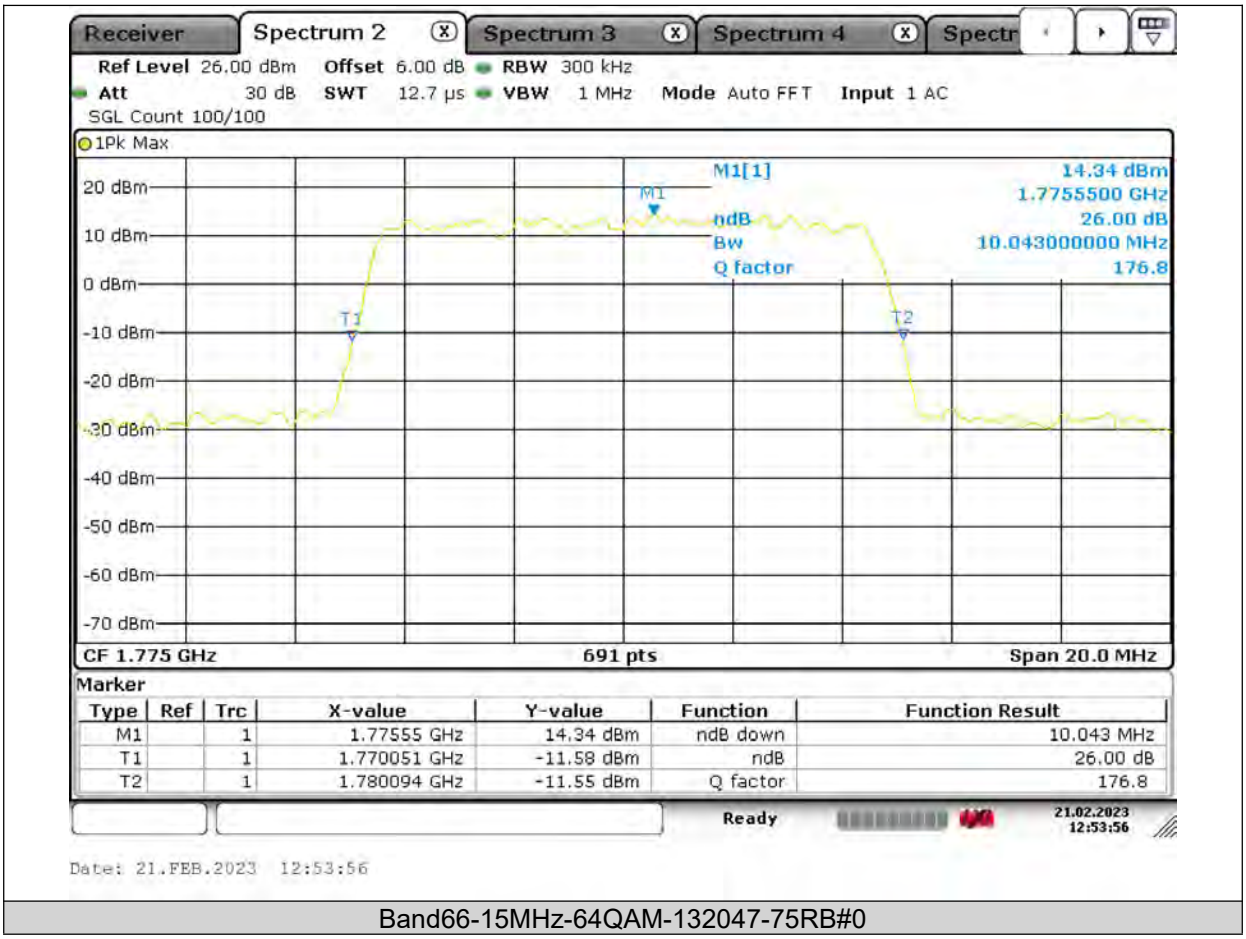
Band66-10MHz-64QAM-132022-50RB#0



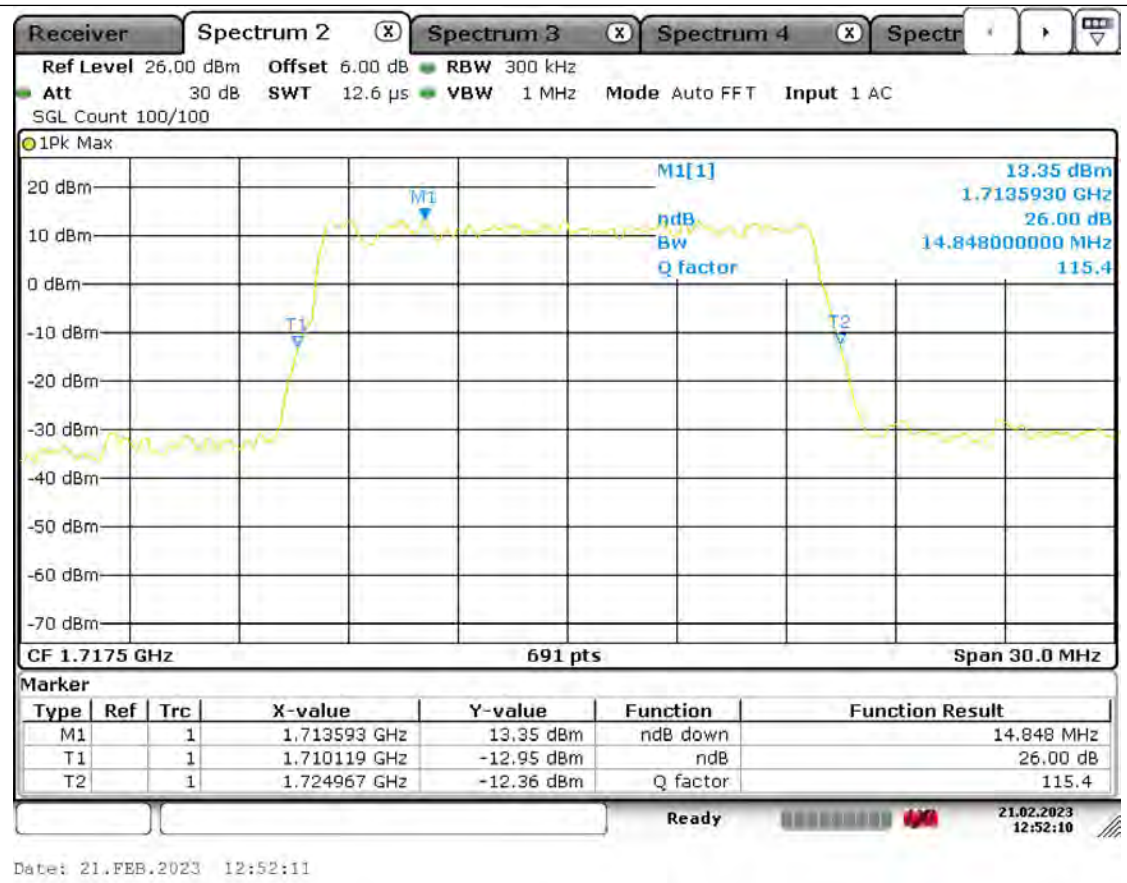
Band66-10MHz-64QAM-132322-50RB#0



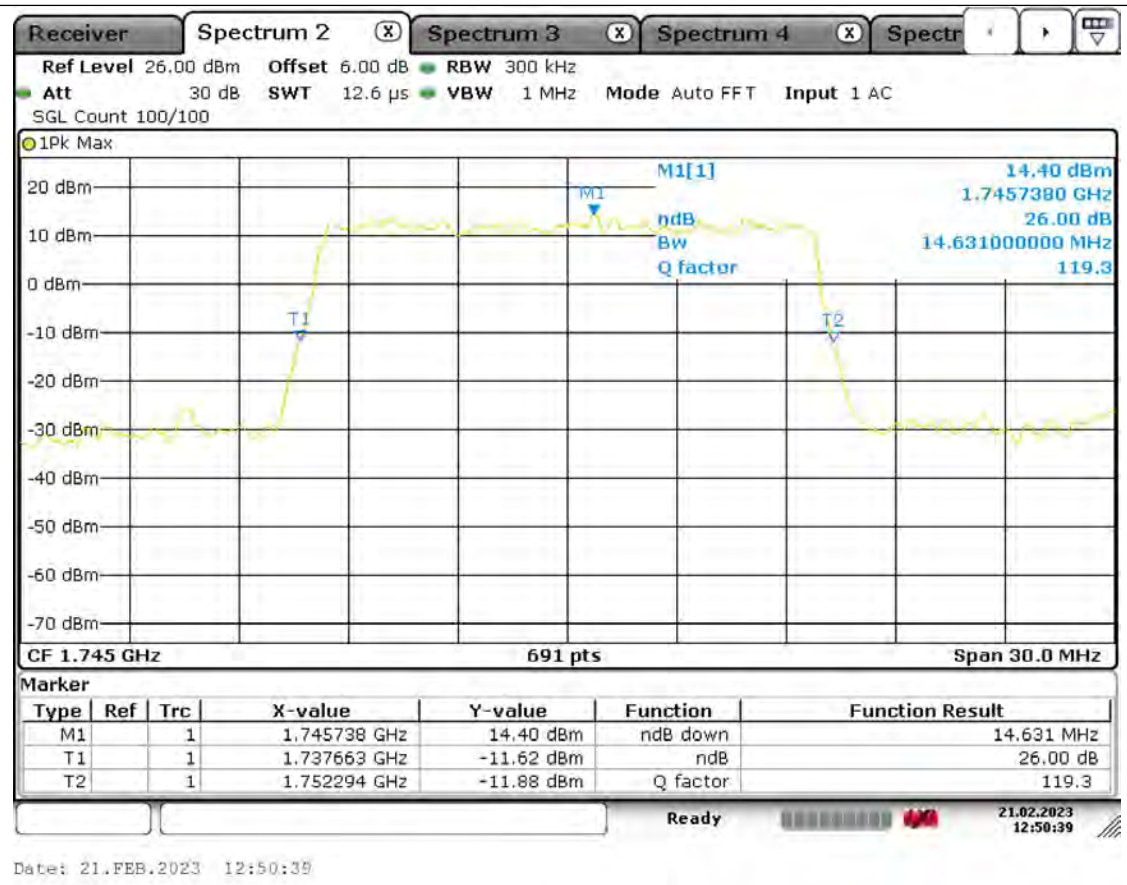
Band66-10MHz-64QAM-132622-50RB#0



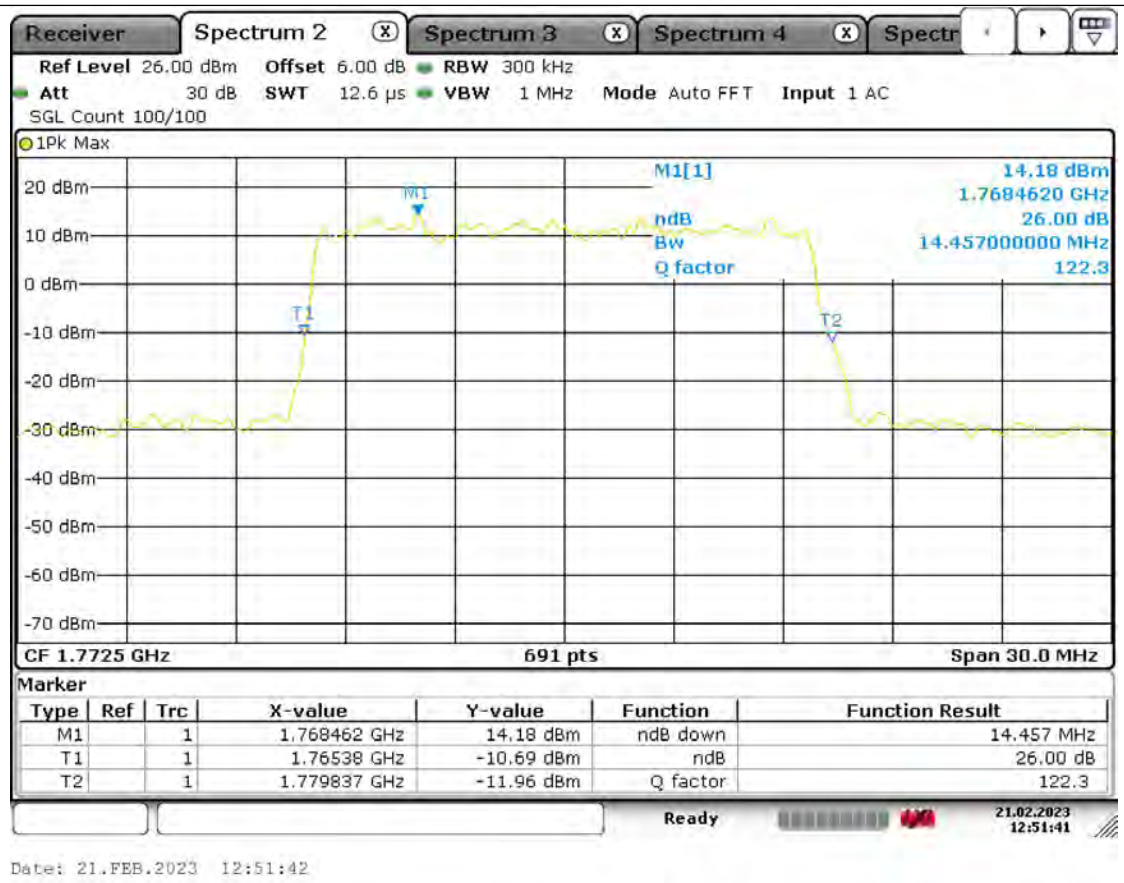
Band66-15MHz-64QAM-132047-75RB#0



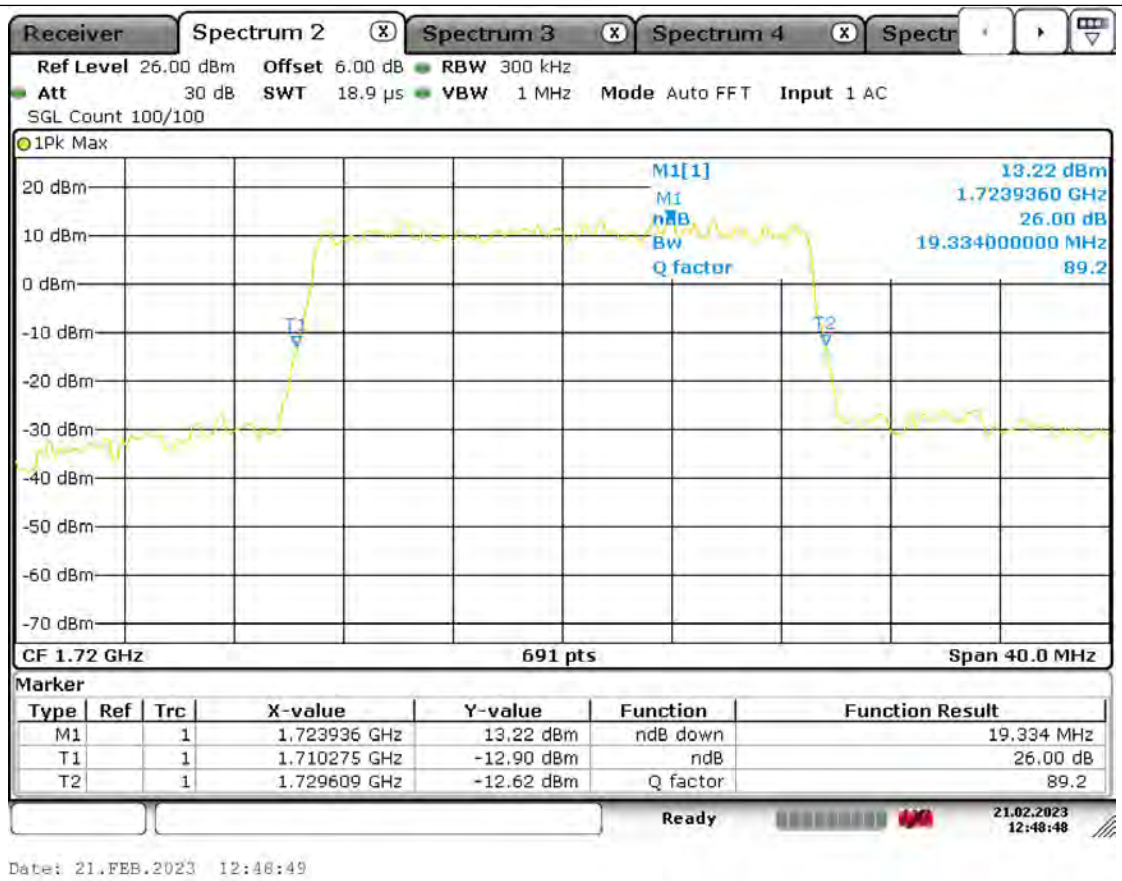
Band66-15MHz-64QAM-132322-75RB#0



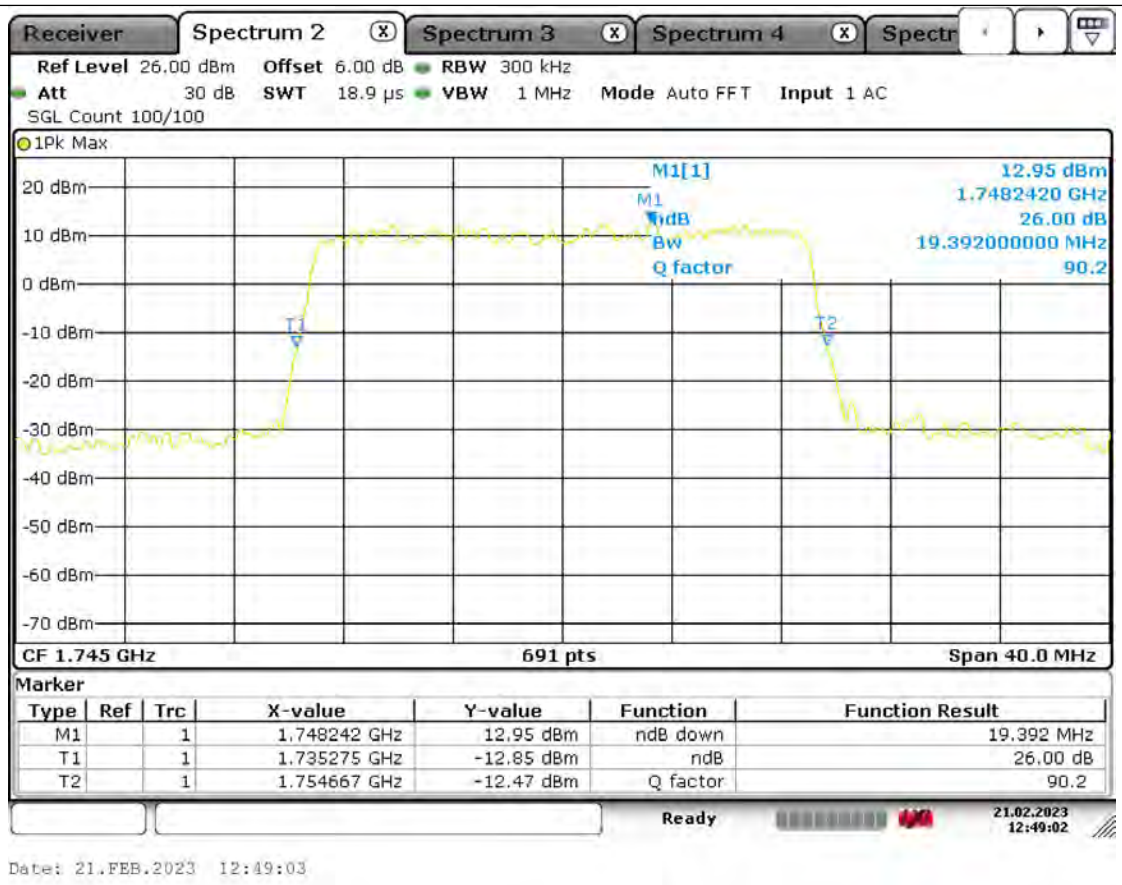
Band66-15MHz-64QAM-132597-75RB#0



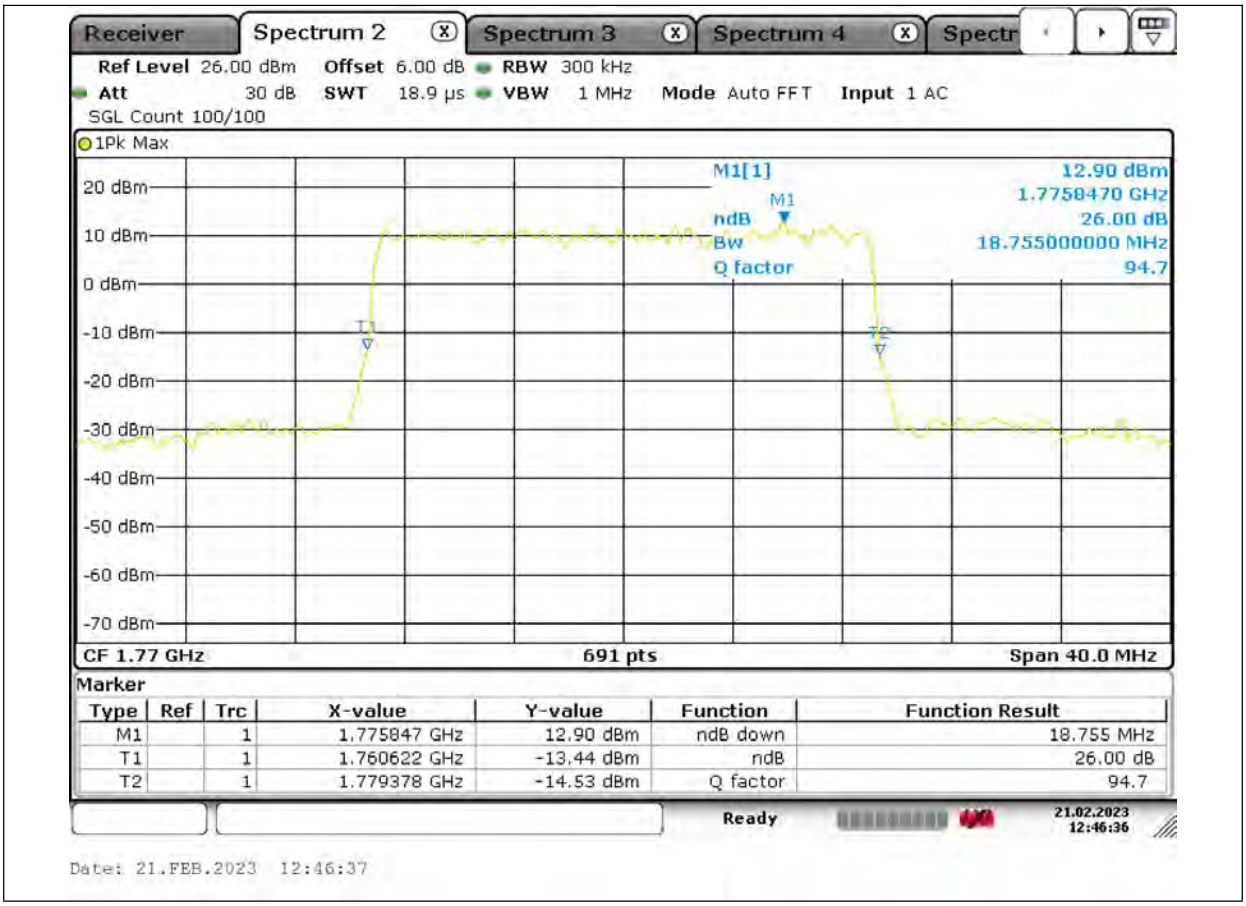
Band66-20MHz-64QAM-132072-100RB#0



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



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



BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-28.32	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-28.11	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-29.97	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-25.71	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-31.50	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-27.23	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-32.21	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-29.89	PASS
Band66	3MHz	QPSK	131987	1RB#0	-20.02	PASS
Band66	3MHz	QPSK	131987	15RB#0	-26.60	PASS
Band66	3MHz	QPSK	132657	1RB#14	-21.93	PASS
Band66	3MHz	QPSK	132657	15RB#0	-24.01	PASS
Band66	3MHz	16QAM	131987	1RB#0	-20.65	PASS
Band66	3MHz	16QAM	131987	15RB#0	-24.01	PASS
Band66	3MHz	16QAM	132657	1RB#14	-23.48	PASS
Band66	3MHz	16QAM	132657	15RB#0	-28.63	PASS
Band66	5MHz	QPSK	131997	1RB#0	-28.52	PASS
Band66	5MHz	QPSK	131997	25RB#0	-27.5	PASS

Band66	5MHz	QPSK	132647	1RB#24	-28.17	PASS
Band66	5MHz	QPSK	132647	25RB#0	-25.45	PASS
Band66	5MHz	16QAM	131997	1RB#0	-29.44	PASS
Band66	5MHz	16QAM	131997	25RB#0	-29.16	PASS
Band66	5MHz	16QAM	132647	1RB#24	-30.35	PASS
Band66	5MHz	16QAM	132647	25RB#0	-25.65	PASS
Band66	10MHz	QPSK	132022	1RB#0	-36.02	PASS
Band66	10MHz	QPSK	132022	50RB#0	-27.98	PASS
Band66	10MHz	QPSK	132622	1RB#49	-34.12	PASS
Band66	10MHz	QPSK	132622	50RB#0	-30.22	PASS
Band66	10MHz	16QAM	132022	1RB#0	-37.15	PASS
Band66	10MHz	16QAM	132022	50RB#0	-32.05	PASS
Band66	10MHz	16QAM	132622	1RB#49	-38.82	PASS
Band66	10MHz	16QAM	132622	50RB#0	-28.01	PASS
Band66	15MHz	QPSK	132047	1RB#0	-37.95	PASS
Band66	15MHz	QPSK	132047	75RB#0	-31.08	PASS
Band66	15MHz	QPSK	132597	1RB#74	-38.06	PASS
Band66	15MHz	QPSK	132597	75RB#0	-28.50	PASS
Band66	15MHz	16QAM	132047	1RB#0	-38.47	PASS
Band66	15MHz	16QAM	132047	75RB#0	-32.50	PASS
Band66	15MHz	16QAM	132597	1RB#74	-39.82	PASS
Band66	15MHz	16QAM	132597	75RB#0	-28.45	PASS
Band66	20MHz	QPSK	132072	1RB#0	-40.71	PASS
Band66	20MHz	QPSK	132072	100RB#0	-33.73	PASS
Band66	20MHz	QPSK	132572	1RB#99	-41.21	PASS
Band66	20MHz	QPSK	132572	100RB#0	-29.96	PASS
Band66	20MHz	16QAM	132072	1RB#0	-41.55	PASS
Band66	20MHz	16QAM	132072	100RB#0	-34.09	PASS
Band66	20MHz	16QAM	132572	1RB#99	-41.37	PASS
Band66	20MHz	16QAM	132572	100RB#0	-30.36	PASS

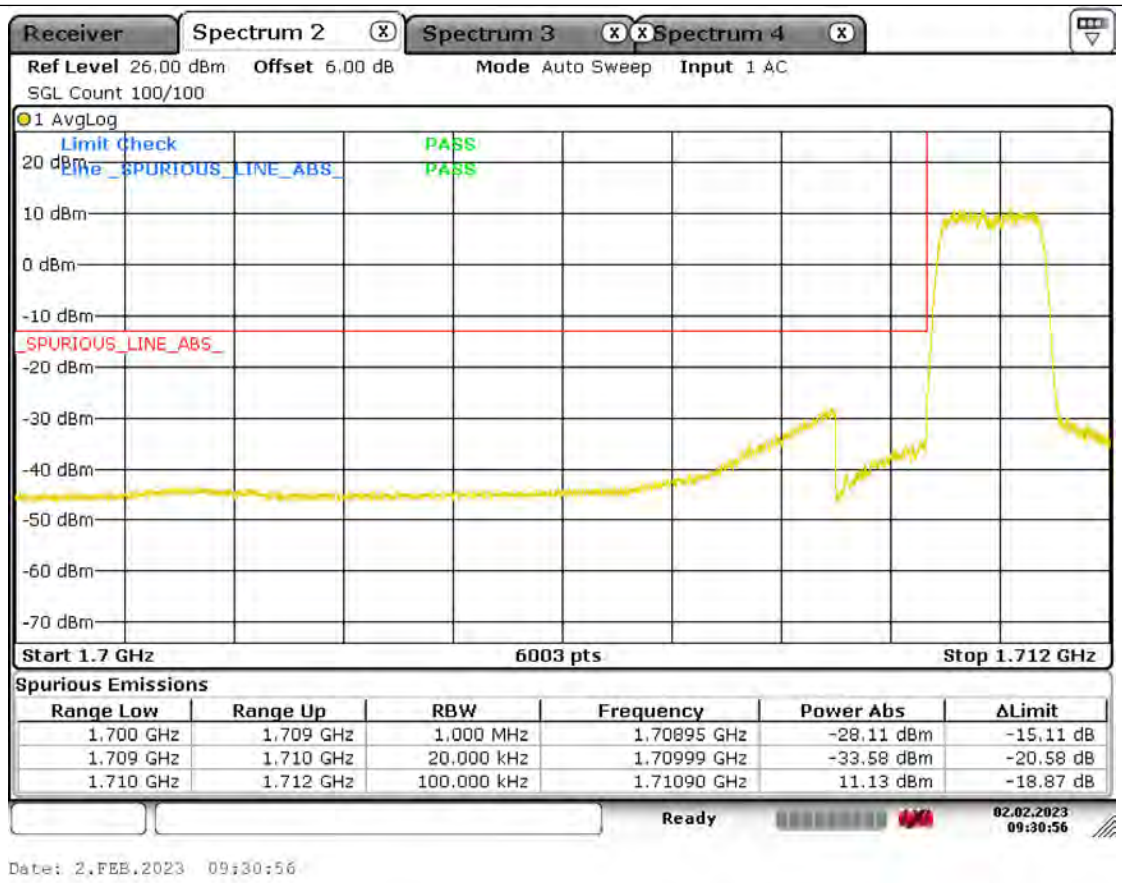
Band66	1.4MHz	64QAM	131979	1RB#0	-32.12	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	-30.40	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	-32.80	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	-28.79	PASS
Band66	3MHz	64QAM	131987	1RB#0	-23.48	PASS
Band66	3MHz	64QAM	131987	15RB#0	-30.76	PASS
Band66	3MHz	64QAM	132657	1RB#14	-24.03	PASS
Band66	3MHz	64QAM	132657	15RB#0	-26.29	PASS
Band66	5MHz	64QAM	131997	1RB#0	-32.33	PASS
Band66	5MHz	64QAM	131997	25RB#0	-31.80	PASS
Band66	5MHz	64QAM	132647	1RB#24	-30.76	PASS
Band66	5MHz	64QAM	132647	25RB#0	-27.15	PASS
Band66	10MHz	64QAM	132022	1RB#0	-38.66	PASS
Band66	10MHz	64QAM	132022	50RB#0	-29.40	PASS
Band66	10MHz	64QAM	132622	1RB#49	-40.09	PASS
Band66	10MHz	64QAM	132622	50RB#0	-34.22	PASS
Band66	15MHz	64QAM	132047	1RB#0	-40.78	PASS
Band66	15MHz	64QAM	132047	75RB#0	-34.71	PASS
Band66	15MHz	64QAM	132597	1RB#74	-40.15	PASS
Band66	15MHz	64QAM	132597	75RB#0	-30.04	PASS
Band66	20MHz	64QAM	132072	1RB#0	-42.31	PASS
Band66	20MHz	64QAM	132072	100RB#0	-35.65	PASS

Band66	20MHz	64QAM	132572	1RB#99	-44.86	PASS
Band66	20MHz	64QAM	132572	100RB#0	-31.65	PASS

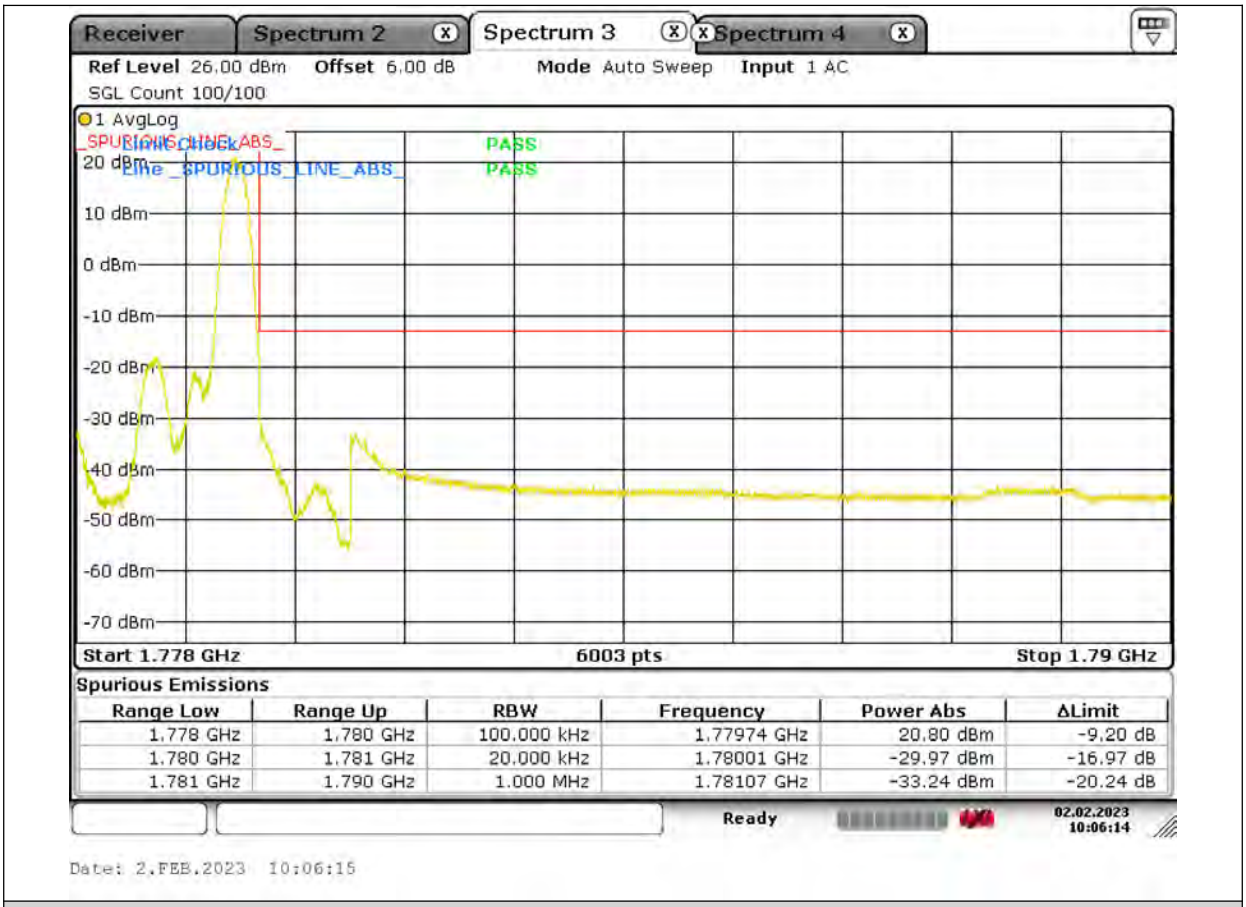
Test Graphs

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

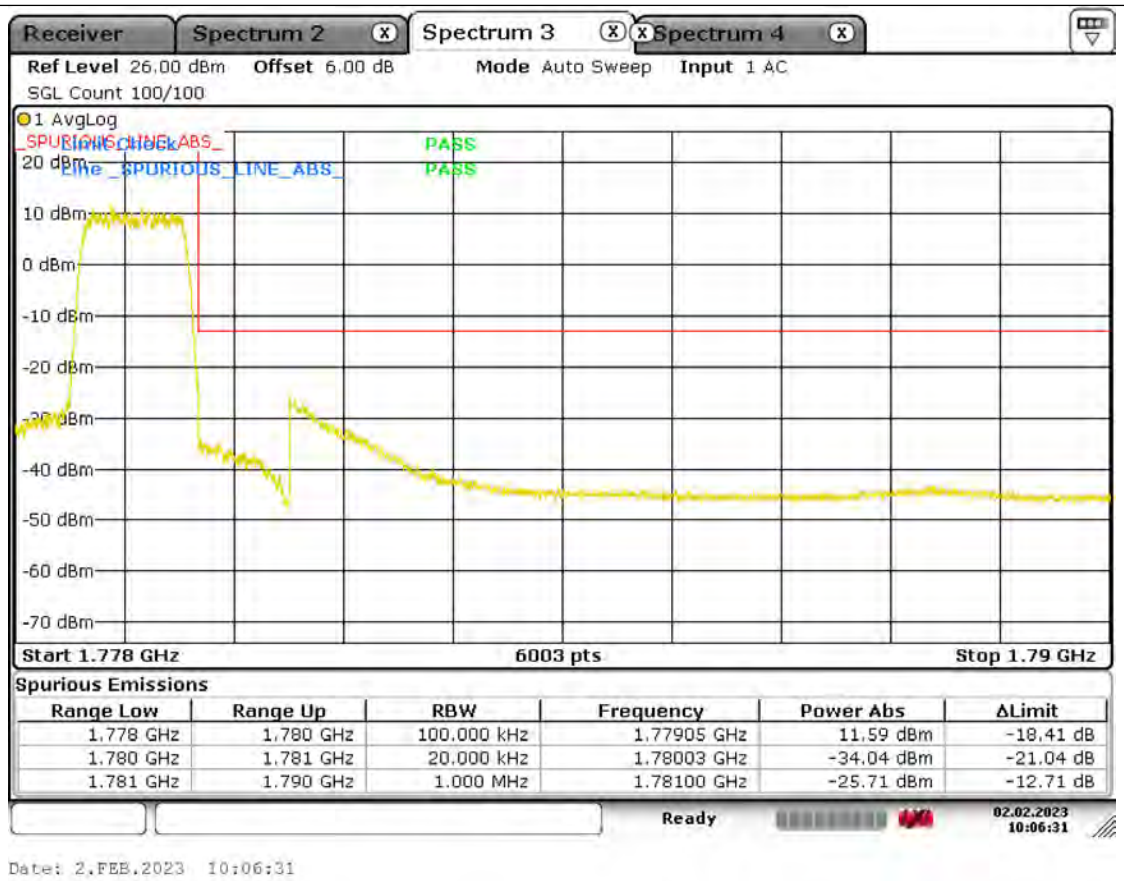
Band66-1.4MHz-QPSK-131979-6RB#0



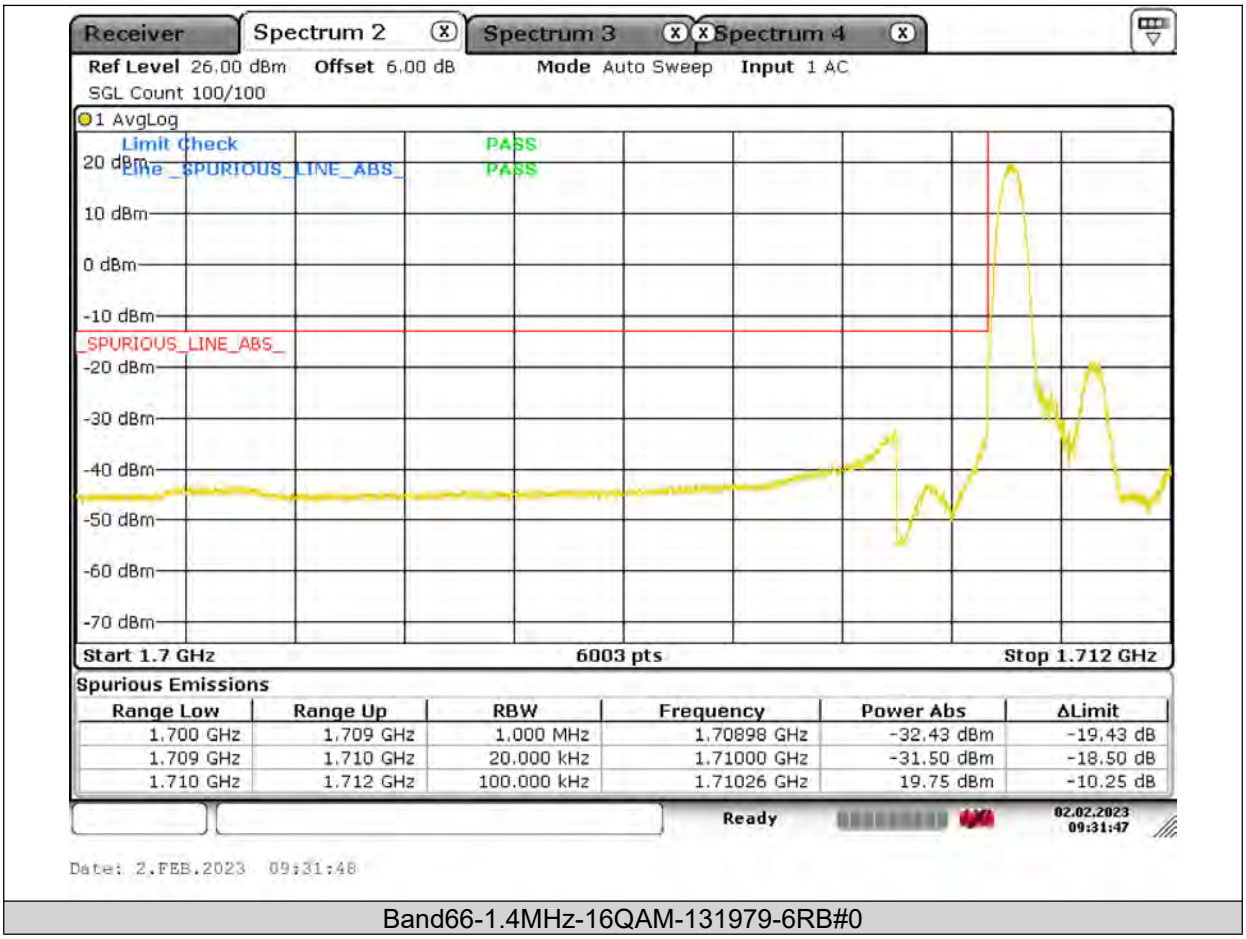
Band66-1.4MHz-QPSK-132665-1RB#5



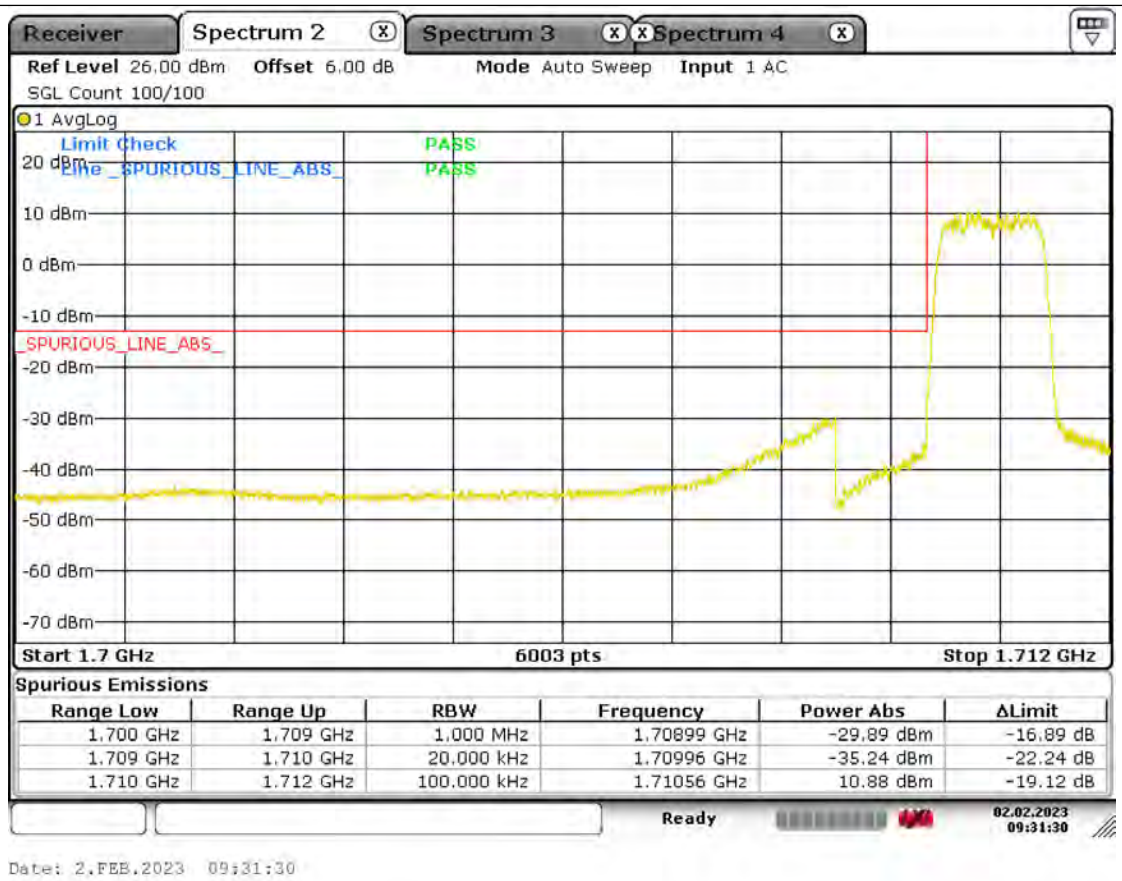
Band66-1.4MHz-QPSK-132665-6RB#0



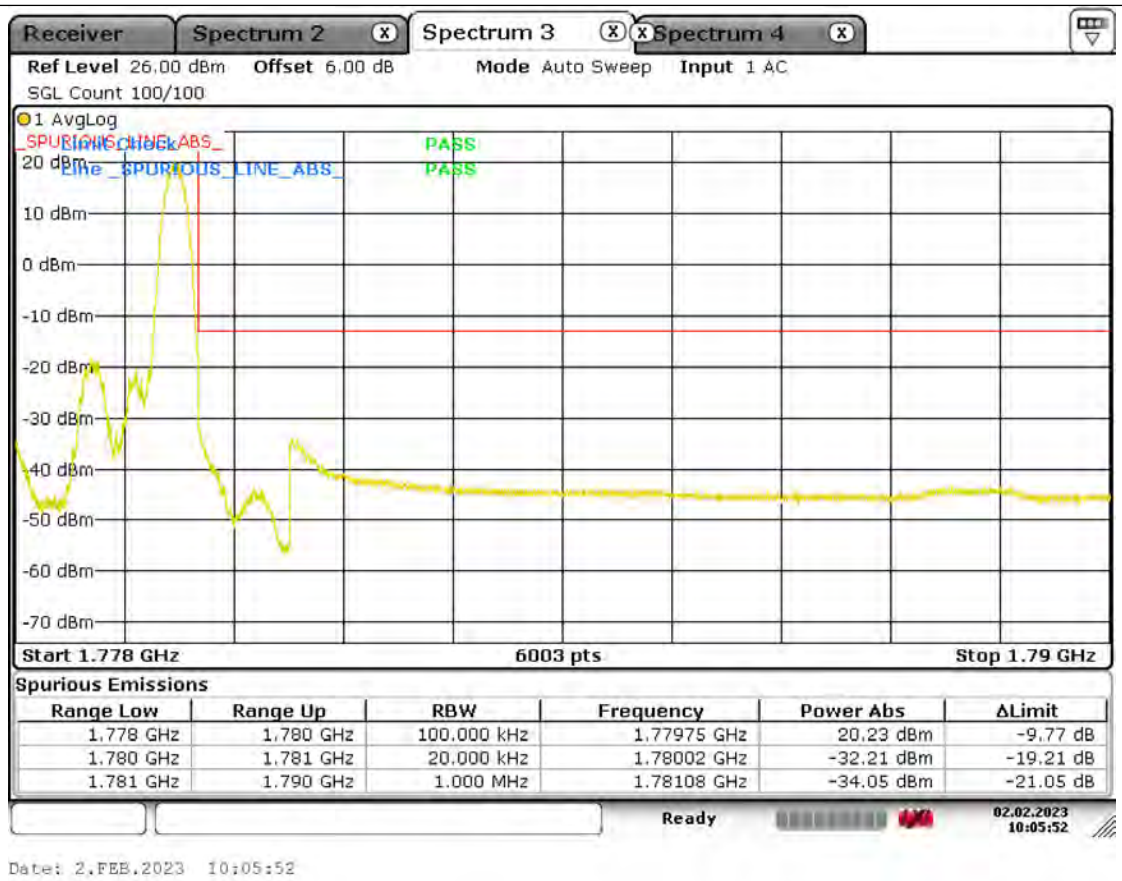
Band66-1.4MHz-16QAM-131979-1RB#0



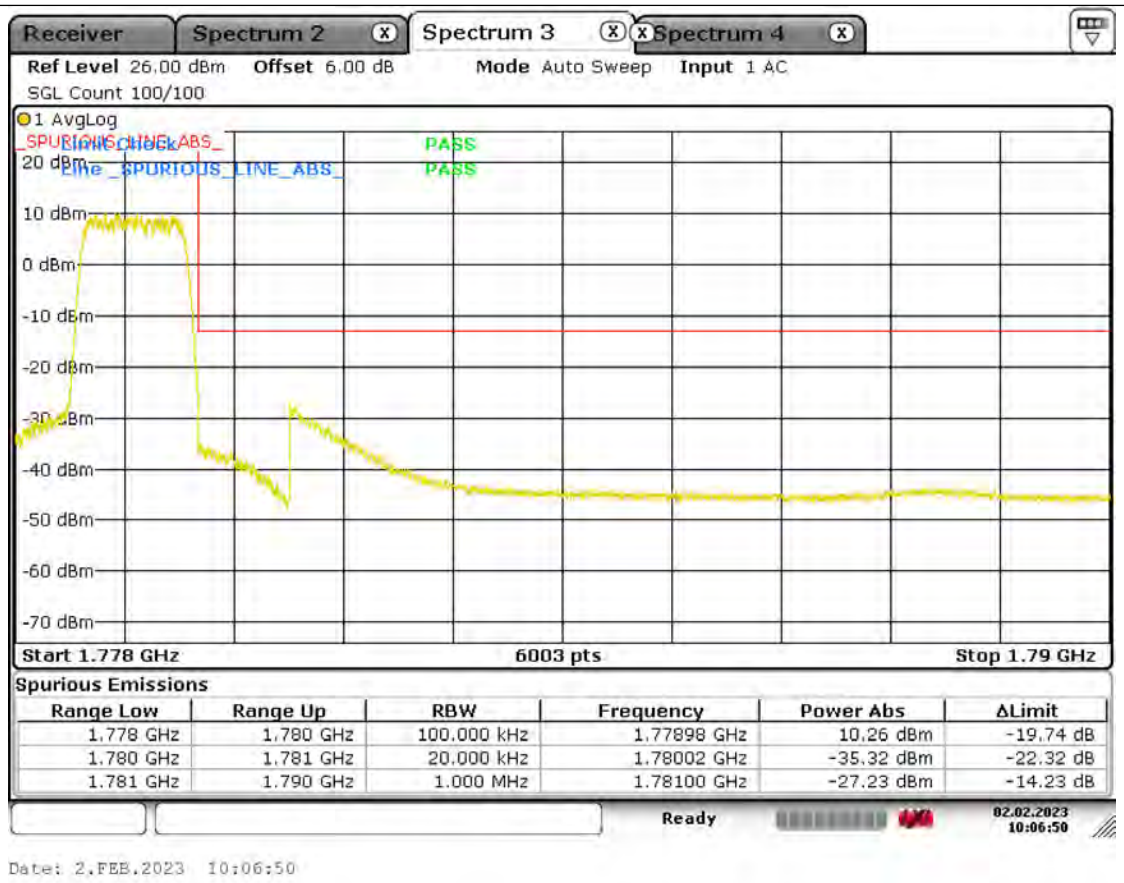
Band66-1.4MHz-16QAM-131979-6RB#0



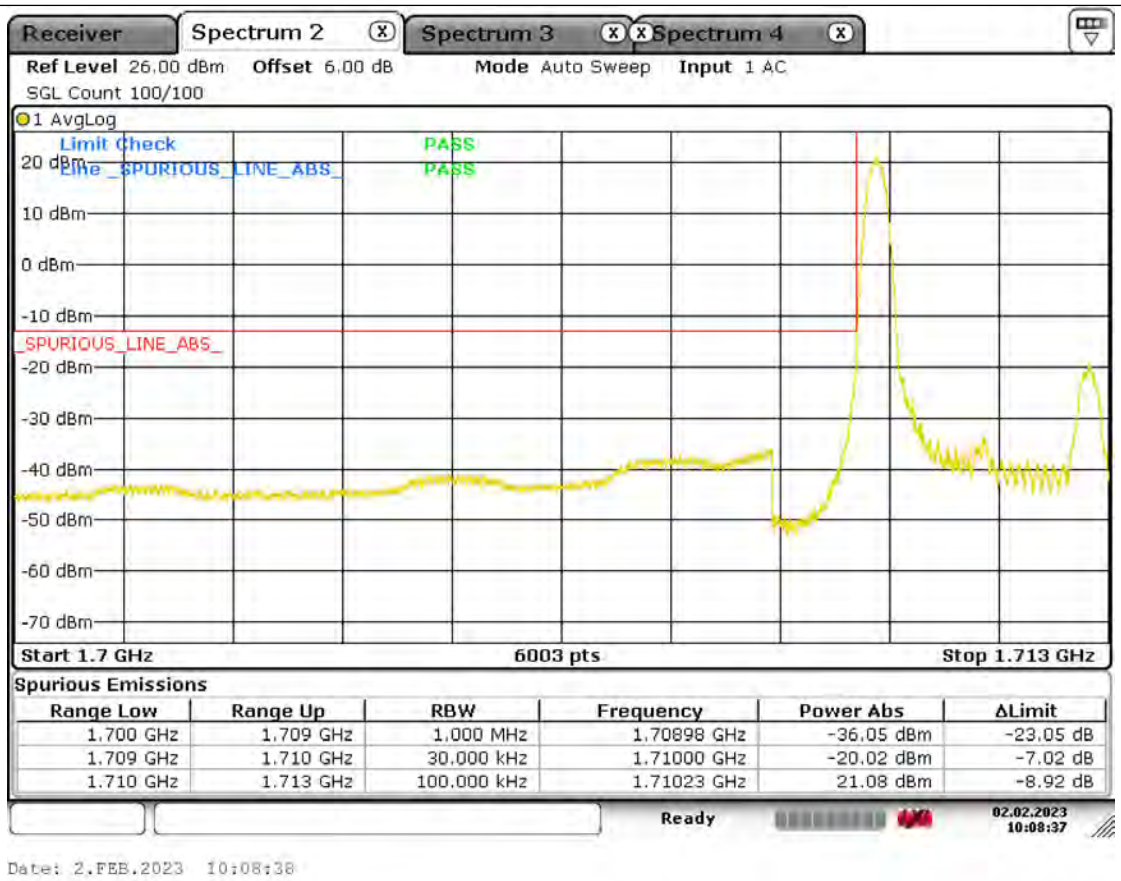
Band66-1.4MHz-16QAM-132665-1RB#5



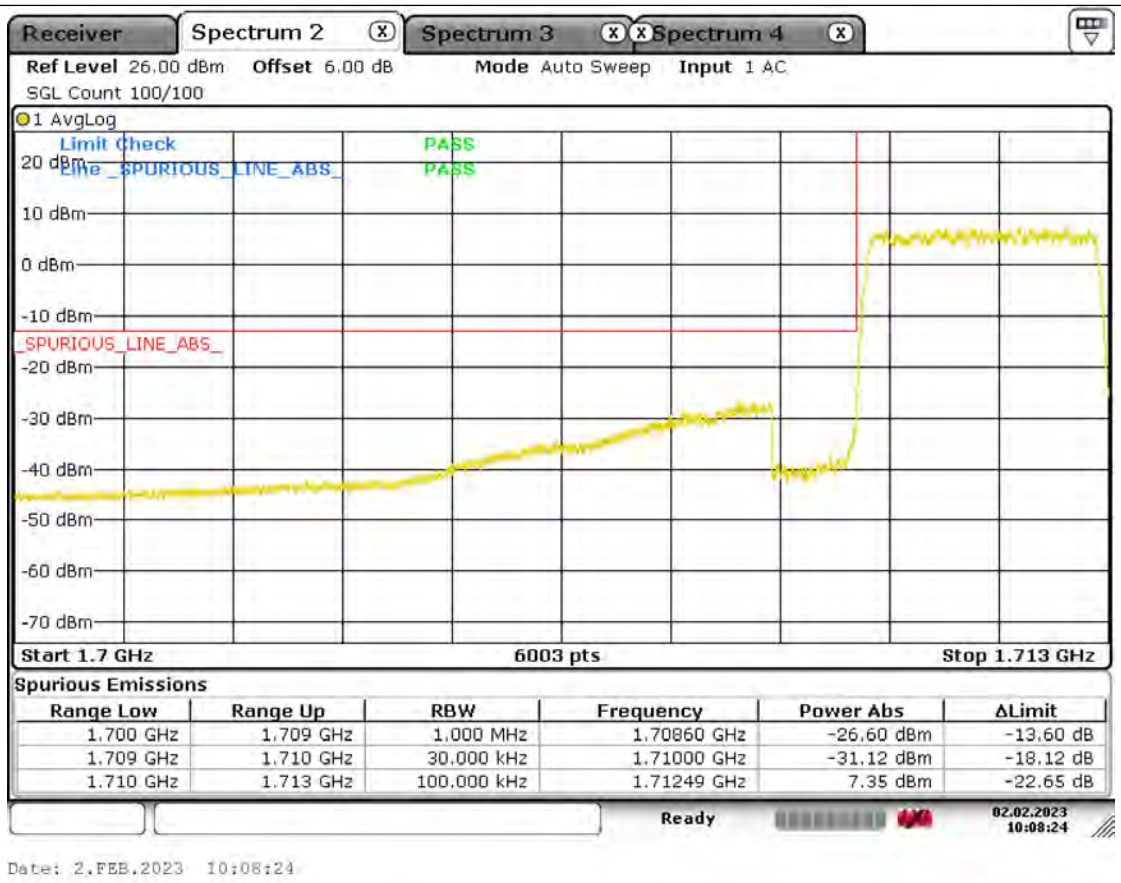
Band66-1.4MHz-16QAM-132665-6RB#0



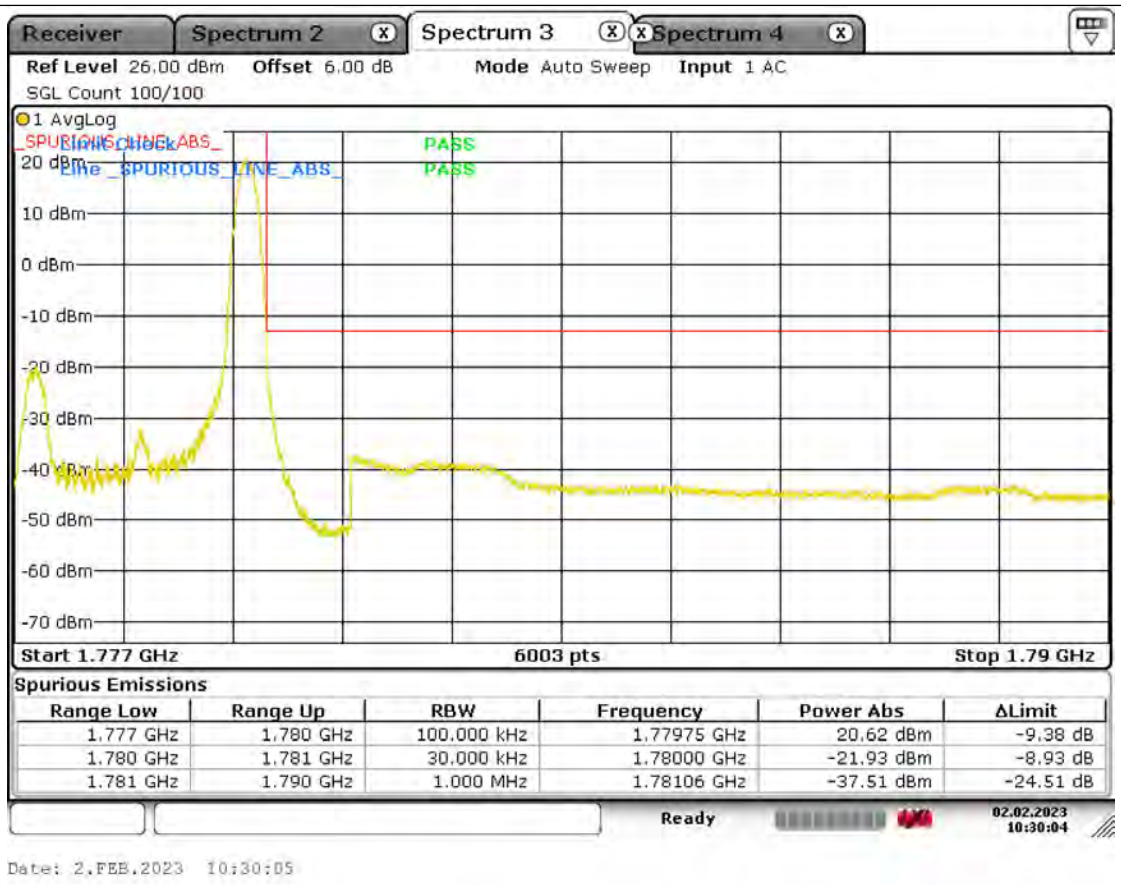
Band66-3MHz-QPSK-131987-1RB#0



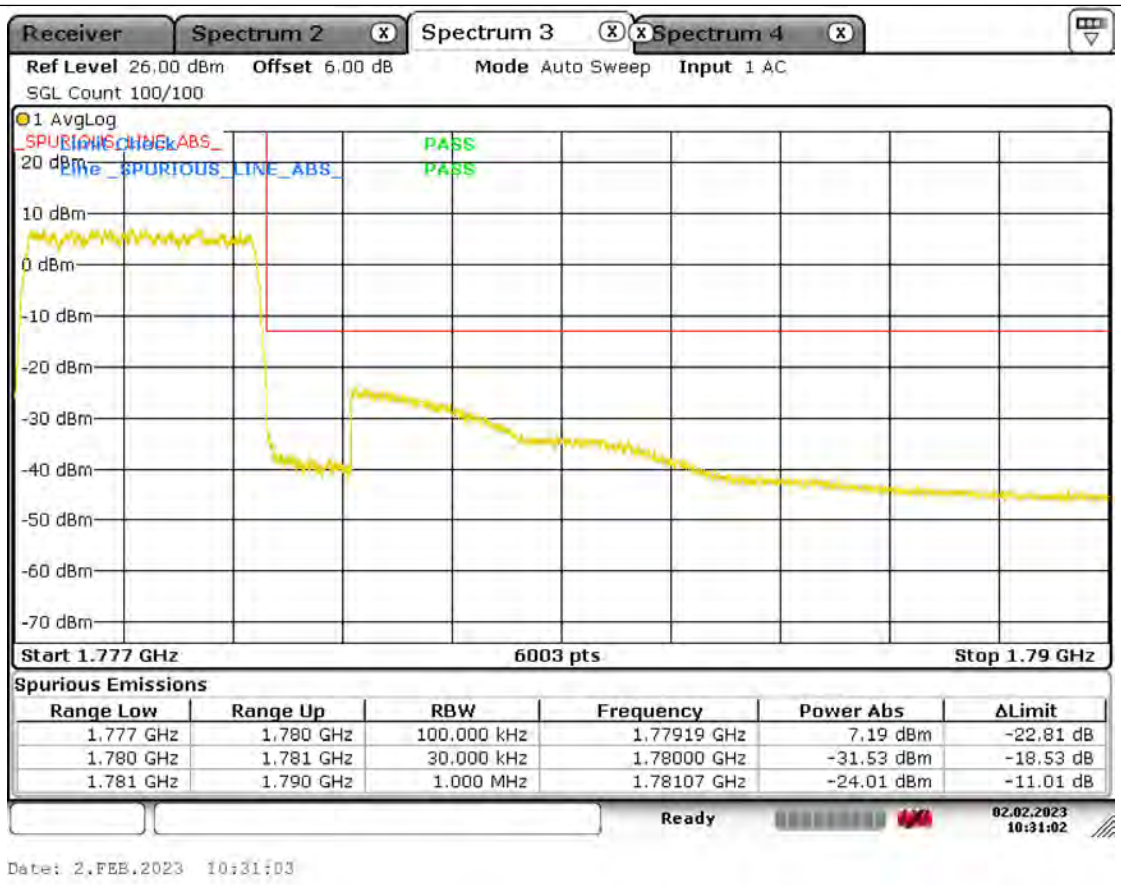
Band66-3MHz-QPSK-131987-15RB#0



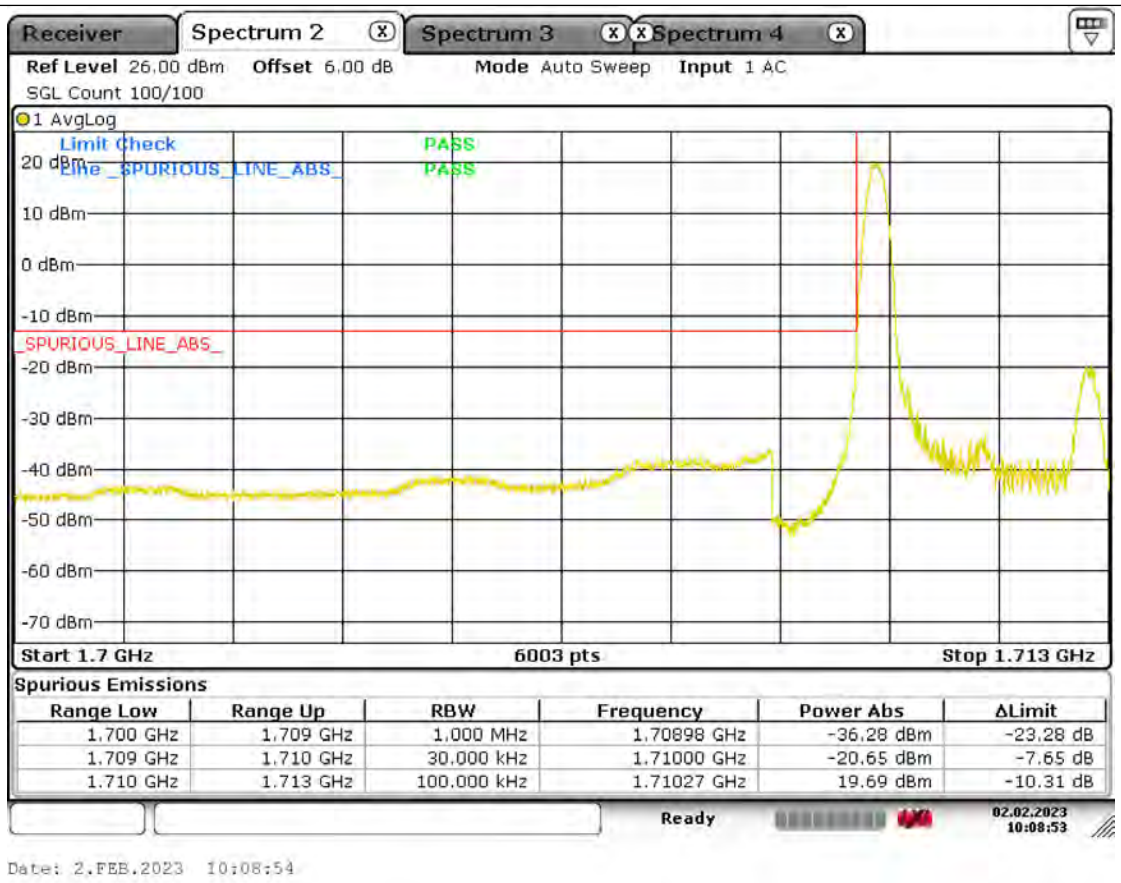
Band66-3MHz-QPSK-132657-1RB#14



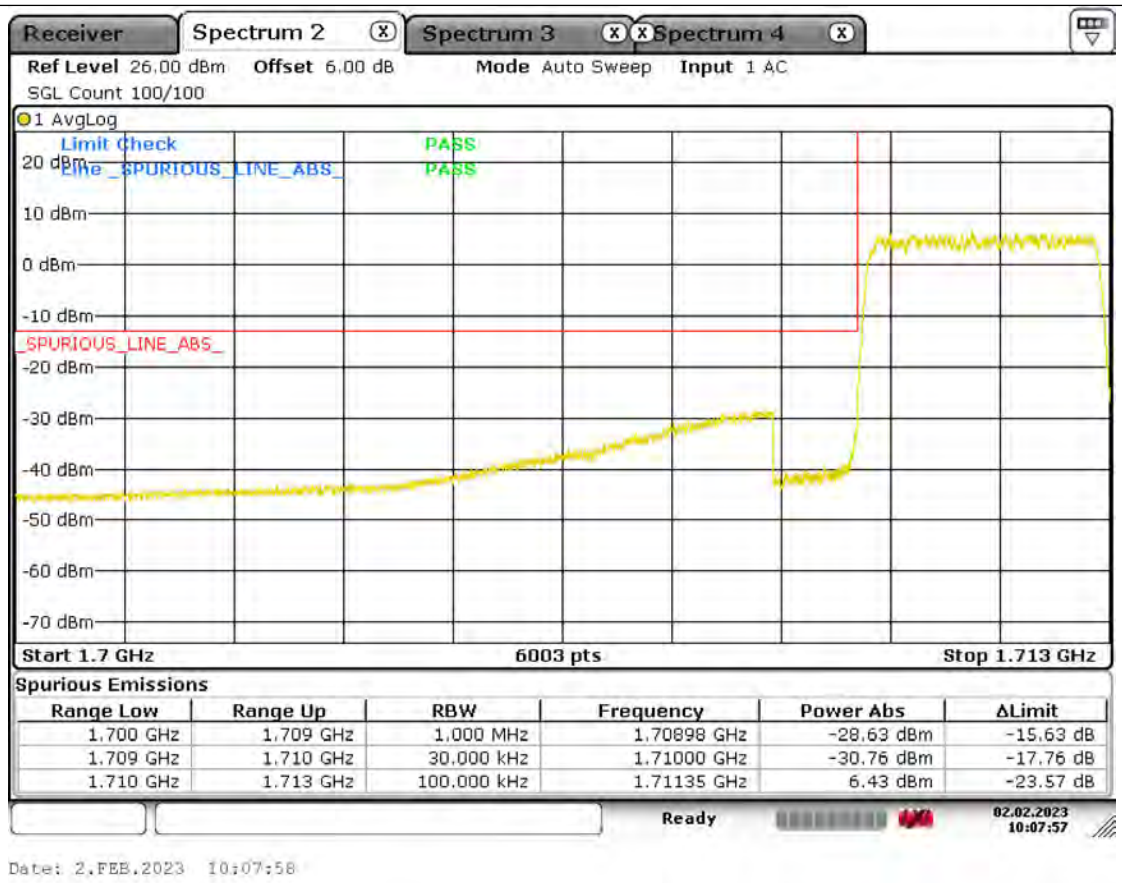
Band66-3MHz-QPSK-132657-15RB#0



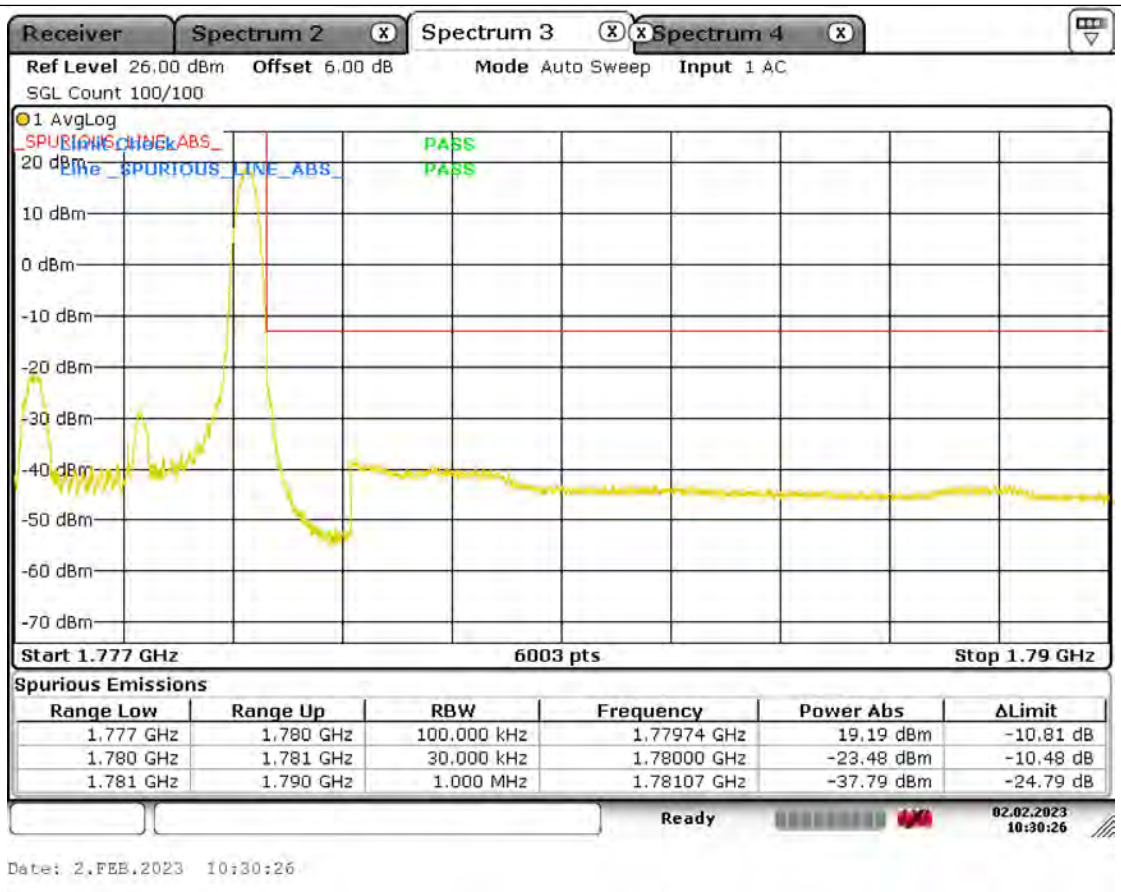
Band66-3MHz-16QAM-131987-1RB#0



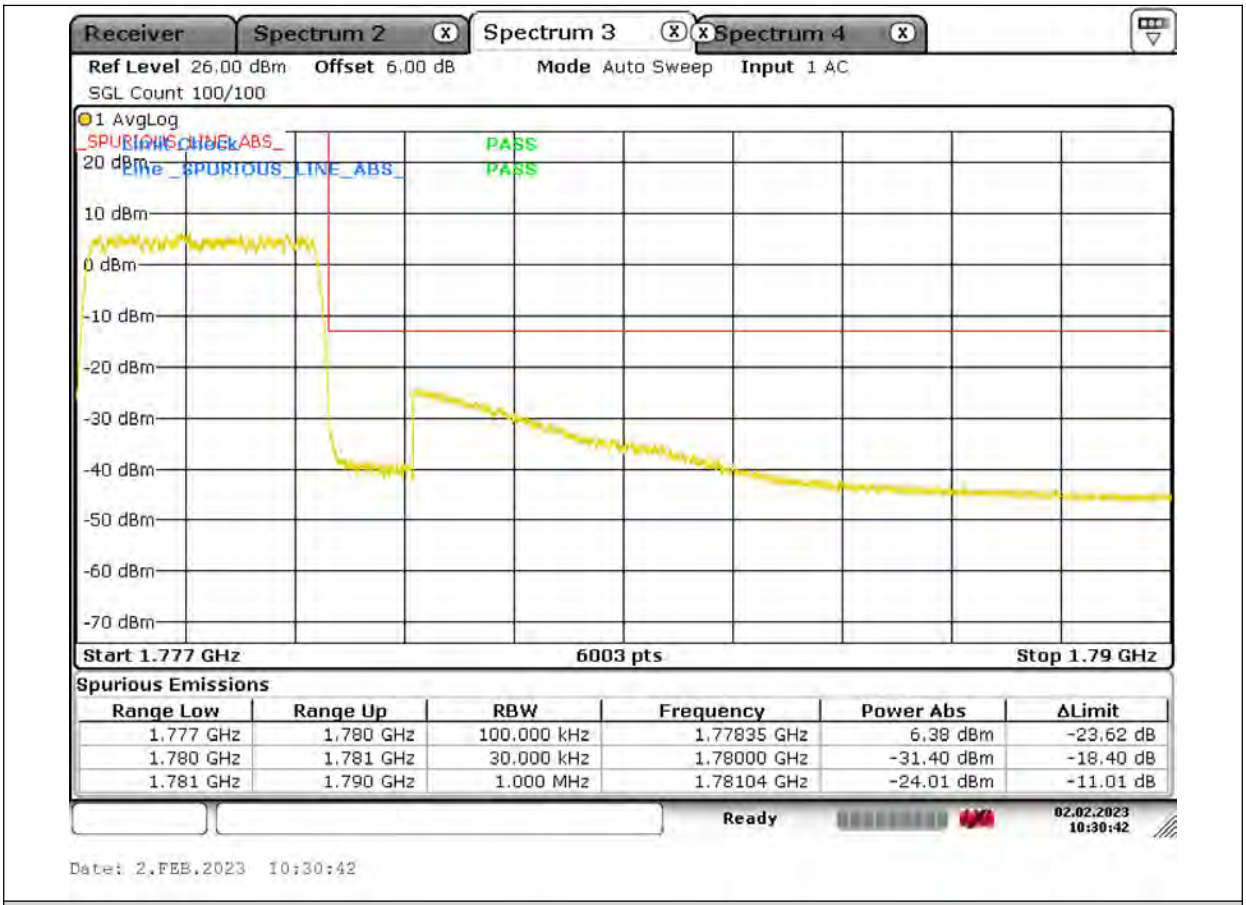
Band66-3MHz-16QAM-131987-15RB#0



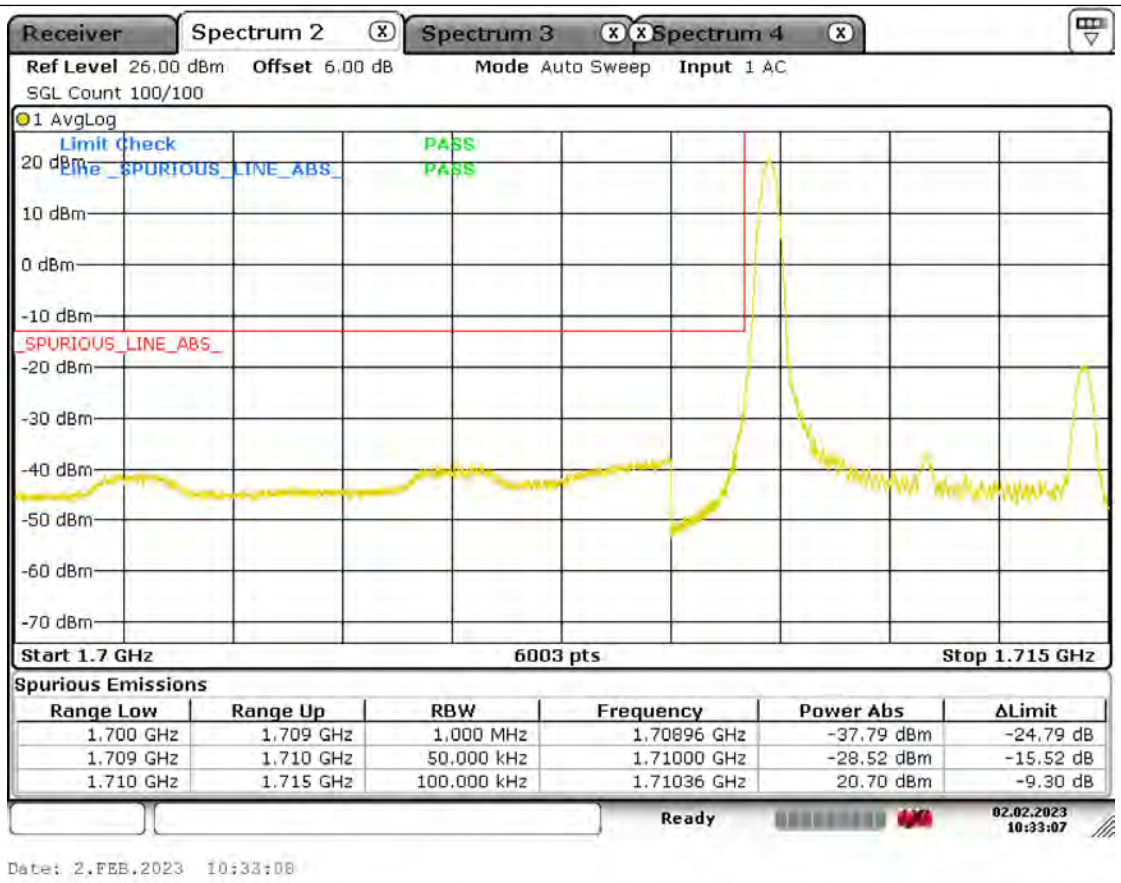
Band66-3MHz-16QAM-132657-1RB#14



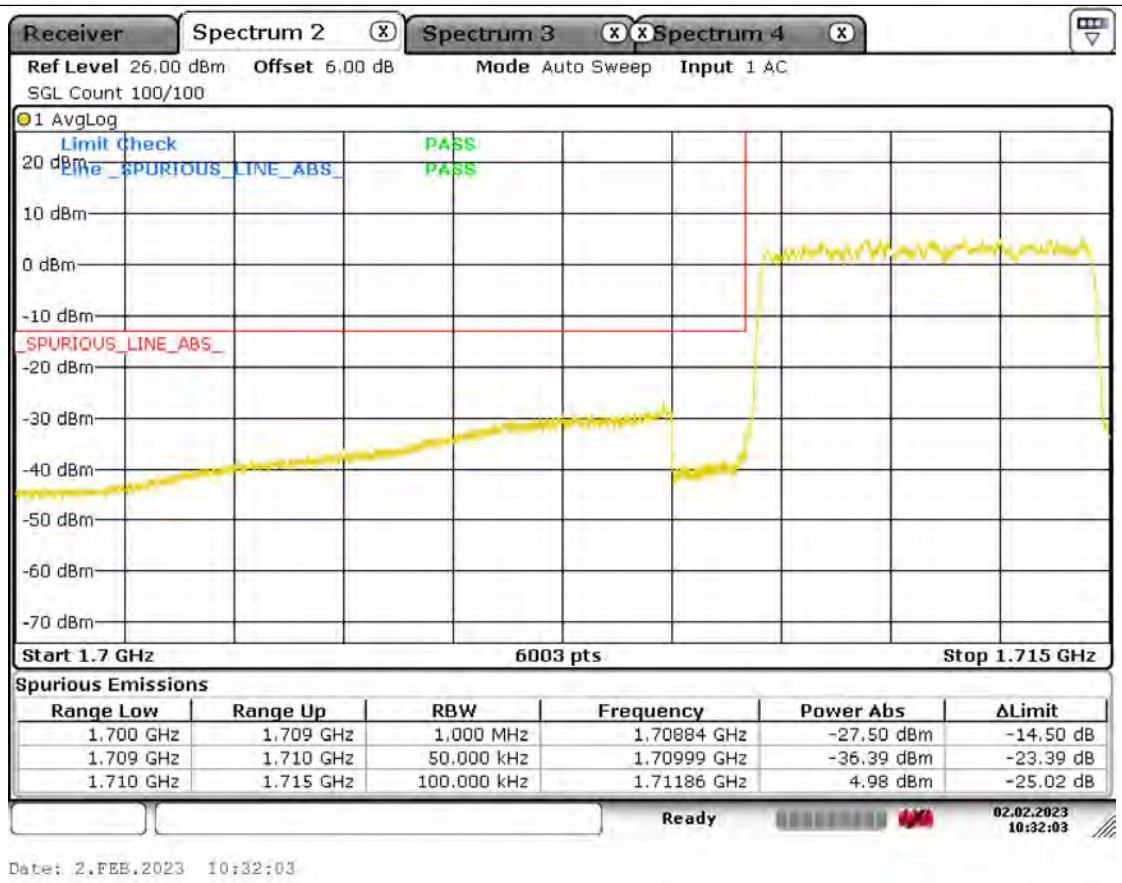
Band66-3MHz-16QAM-132657-15RB#0



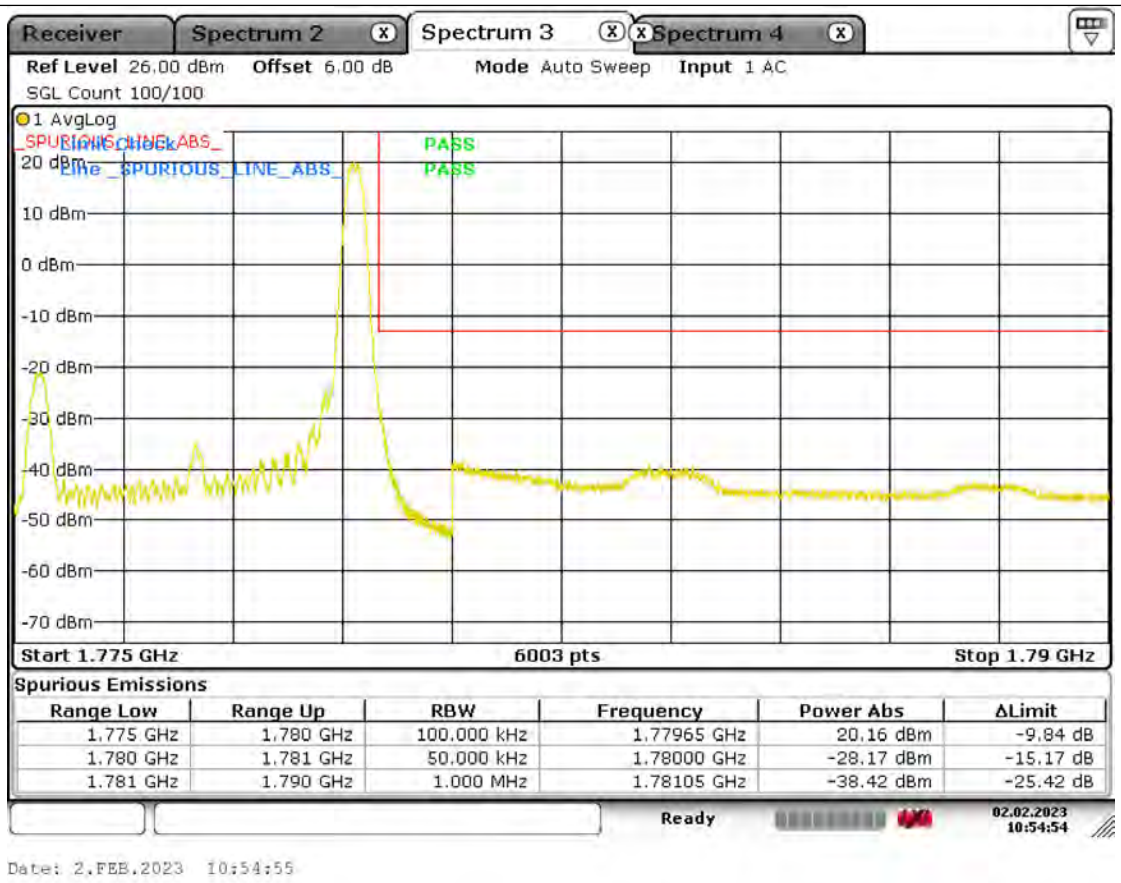
Band66-5MHz-QPSK-131997-1RB#0



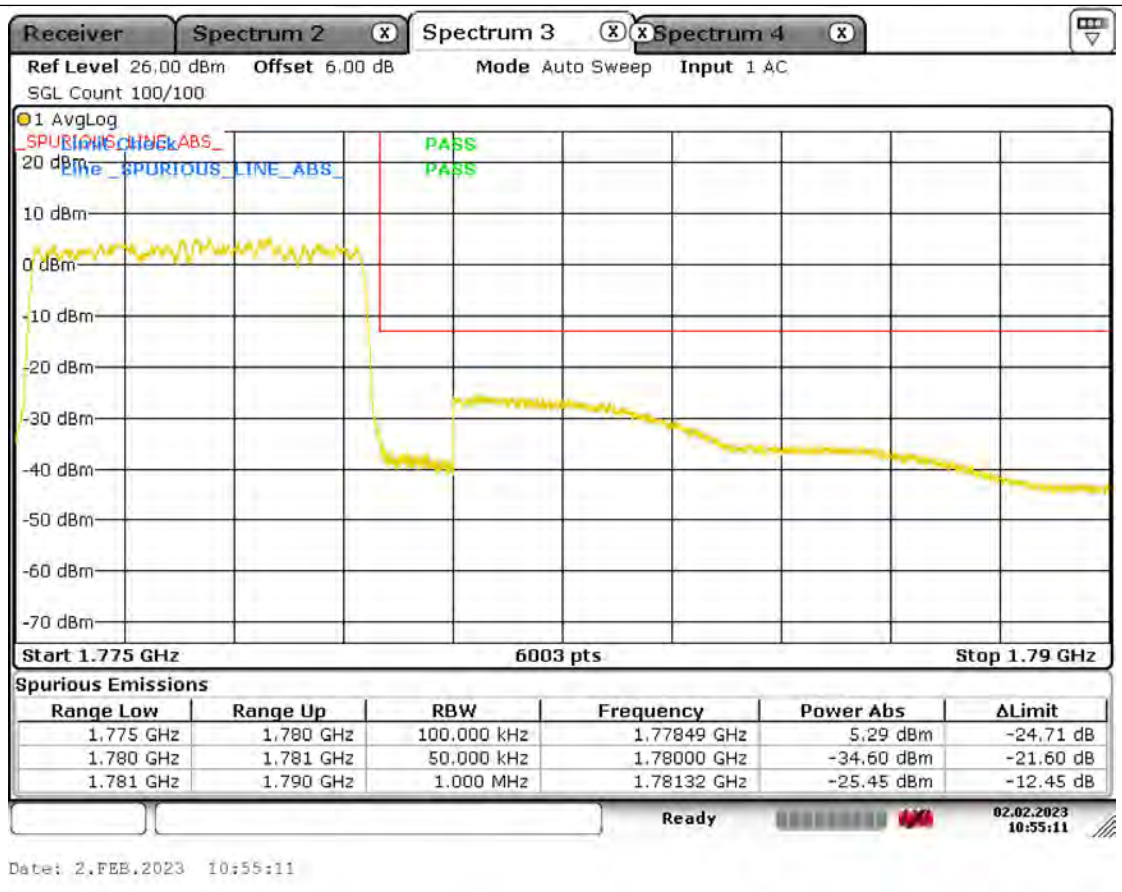
Band66-5MHz-QPSK-131997-25RB#0



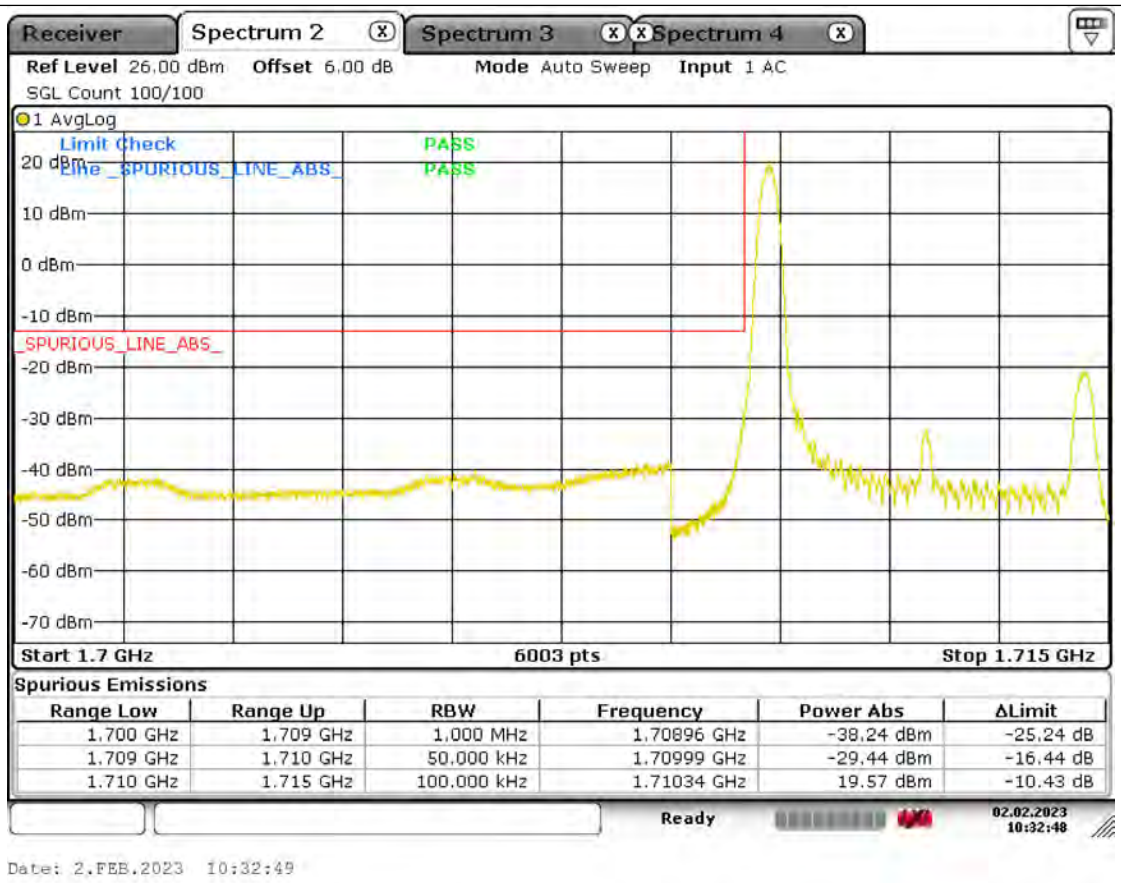
Band66-5MHz-QPSK-132647-1RB#24



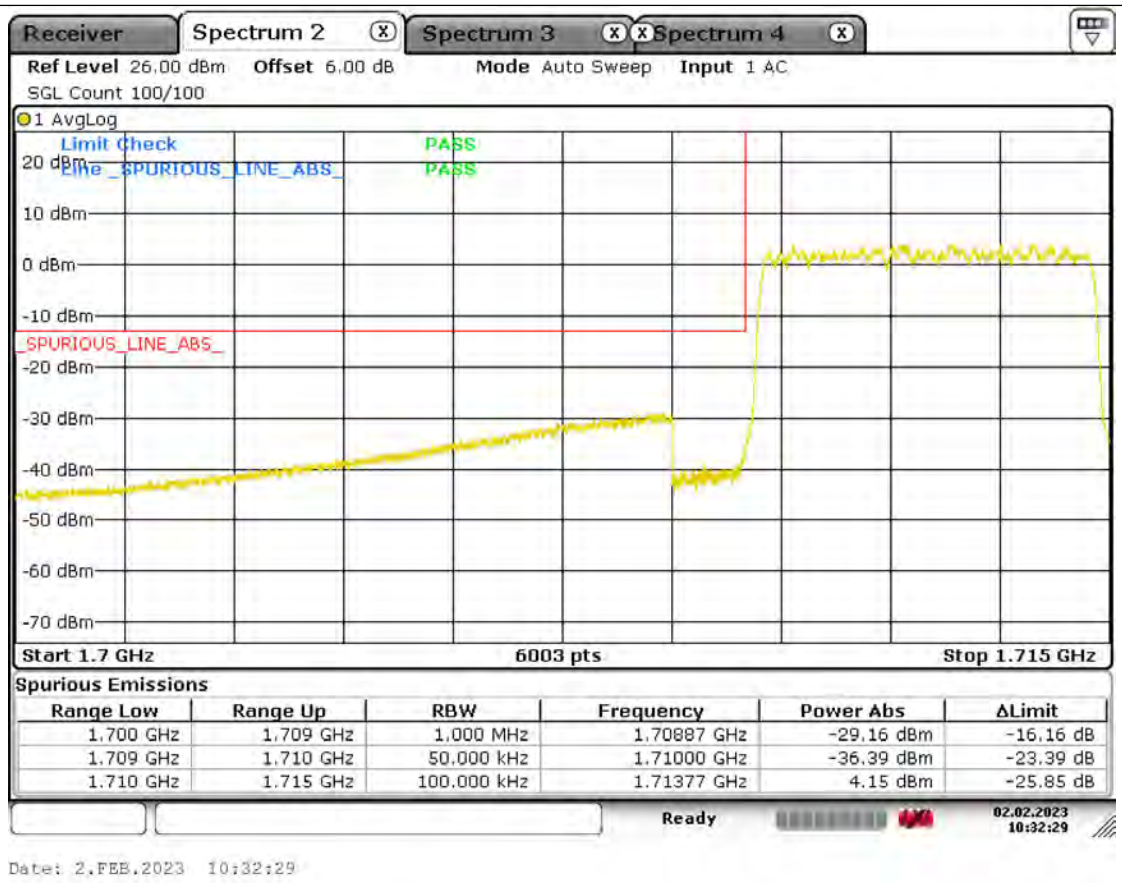
Band66-5MHz-QPSK-132647-25RB#0



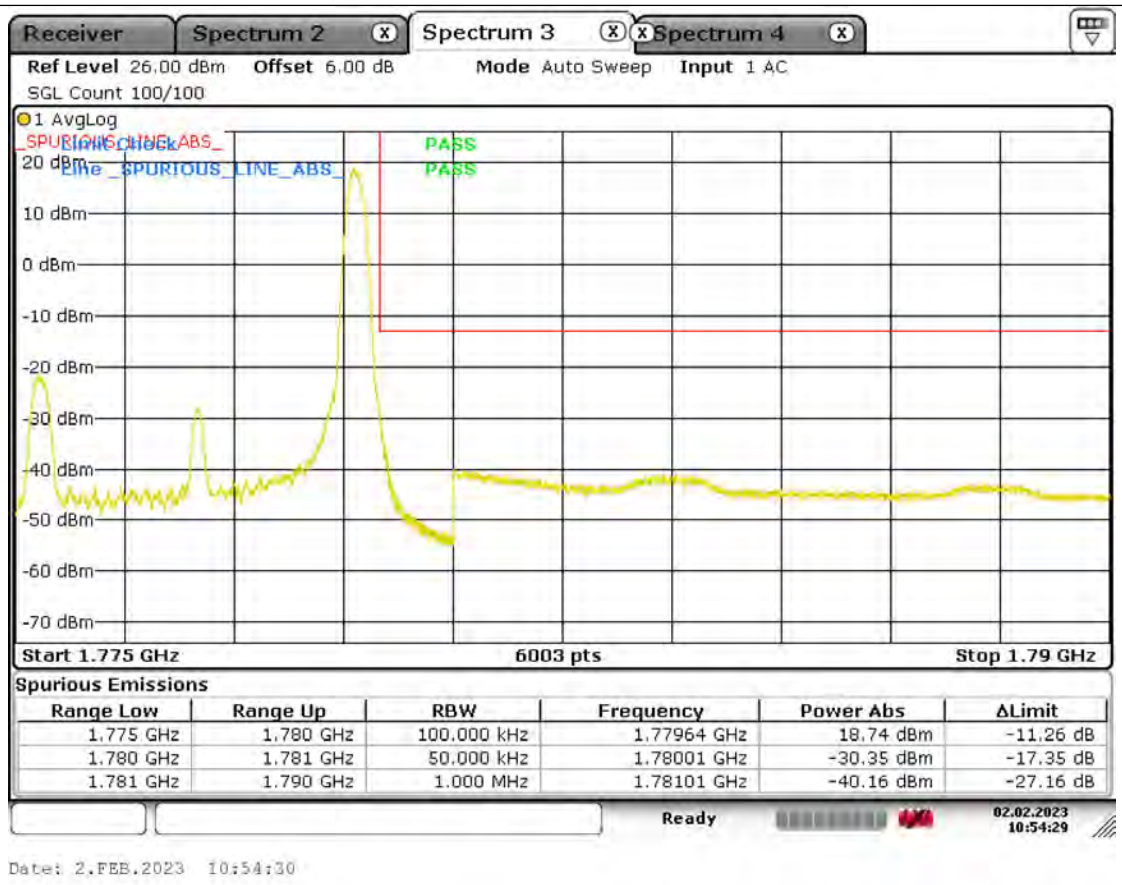
Band66-5MHz-16QAM-131997-1RB#0



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

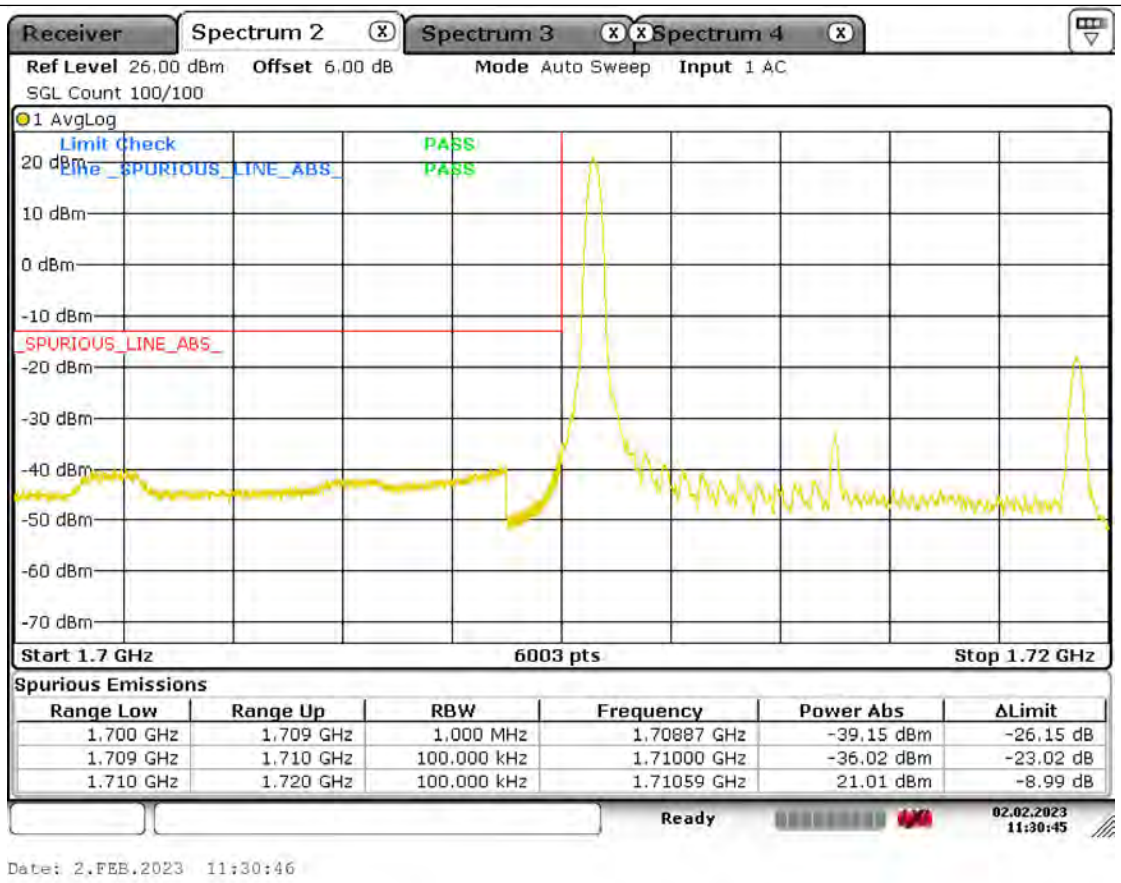


Band66-5MHz-16QAM-132647-1RB#24

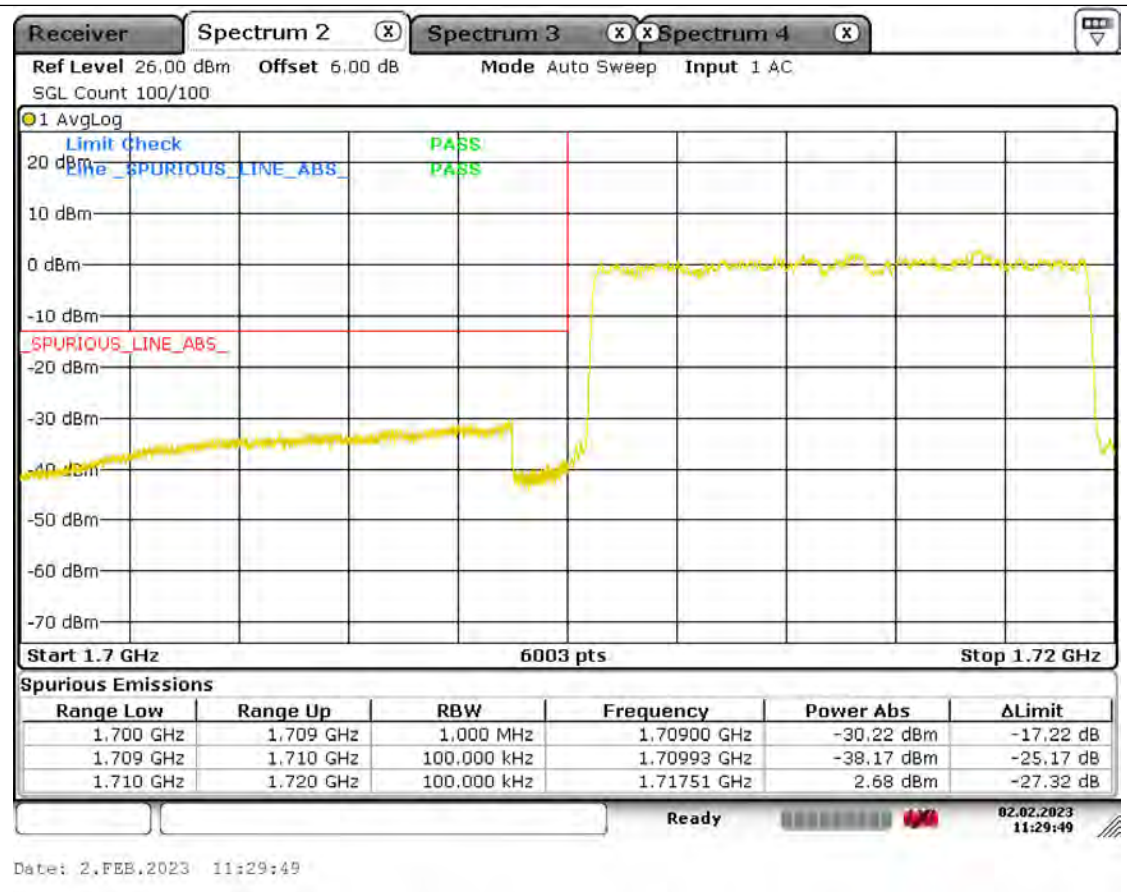


Band66-5MHz-16QAM-132647-25RB#0

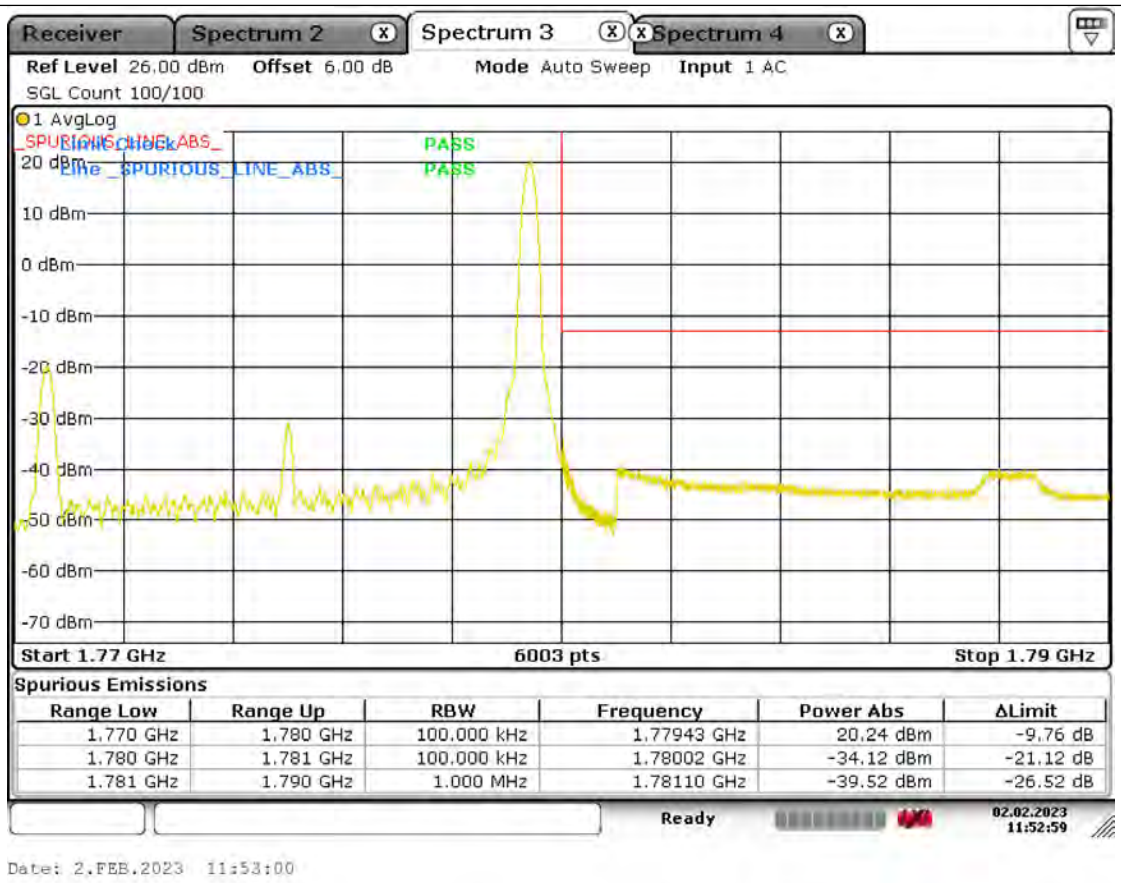
Band66-10MHz-QPSK-132022-1RB#0



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

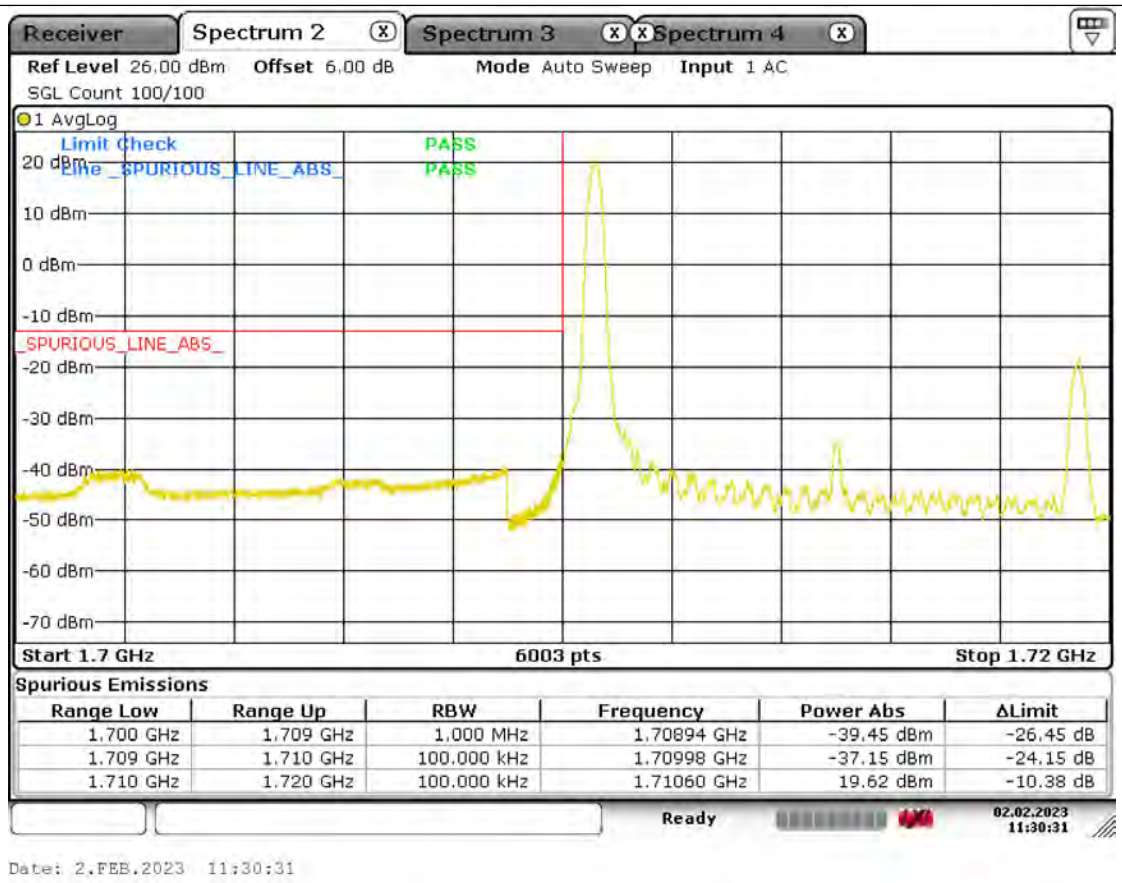


Band66-10MHz-QPSK-132622-1RB#49

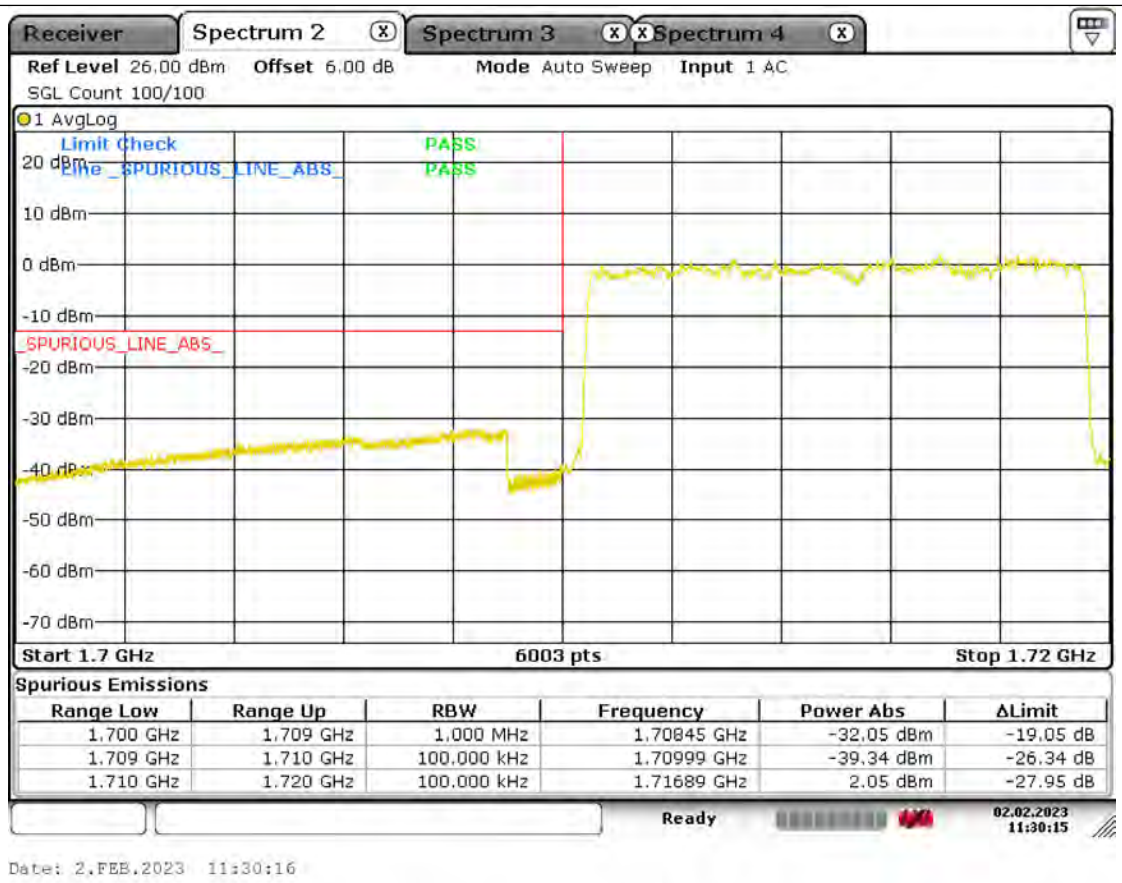


Band66-10MHz-QPSK-132622-50RB#0

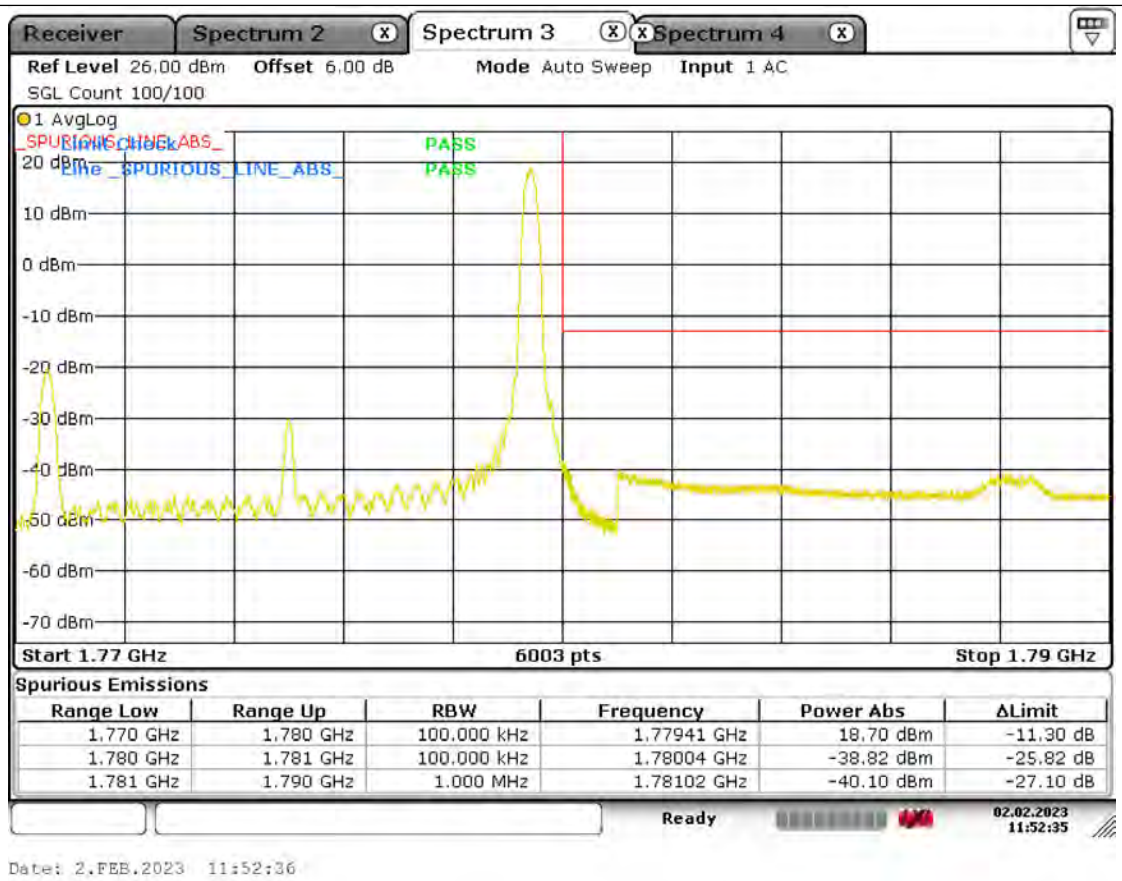
Band66-10MHz-16QAM-132022-1RB#0



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

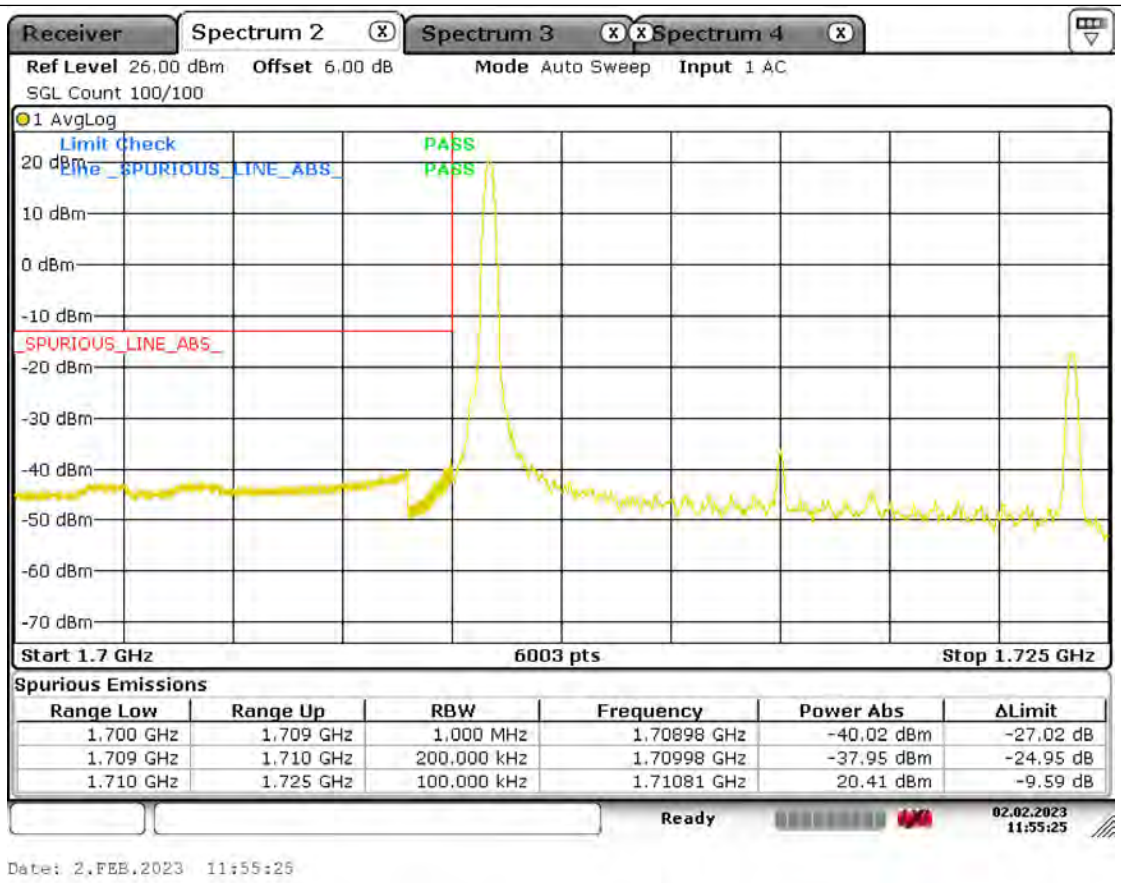


Band66-10MHz-16QAM-132622-1RB#49

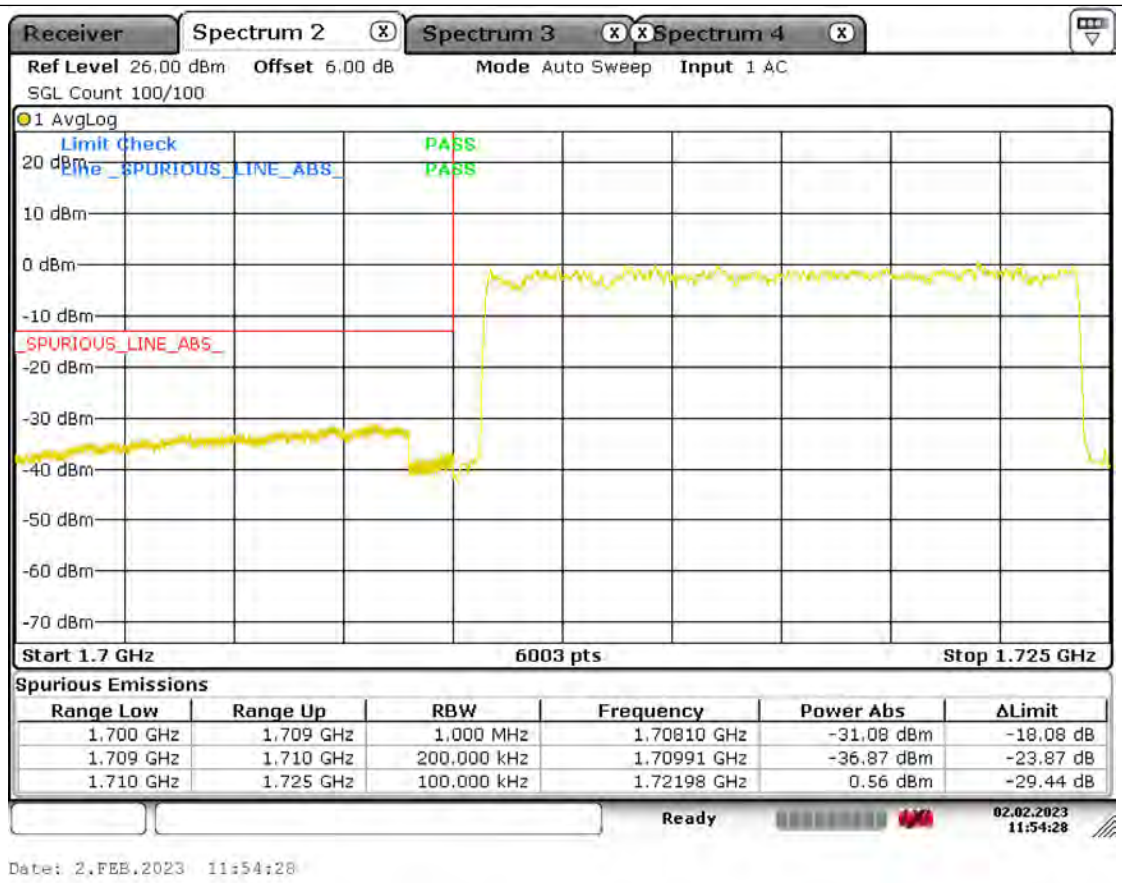


Band66-10MHz-16QAM-132622-50RB#0

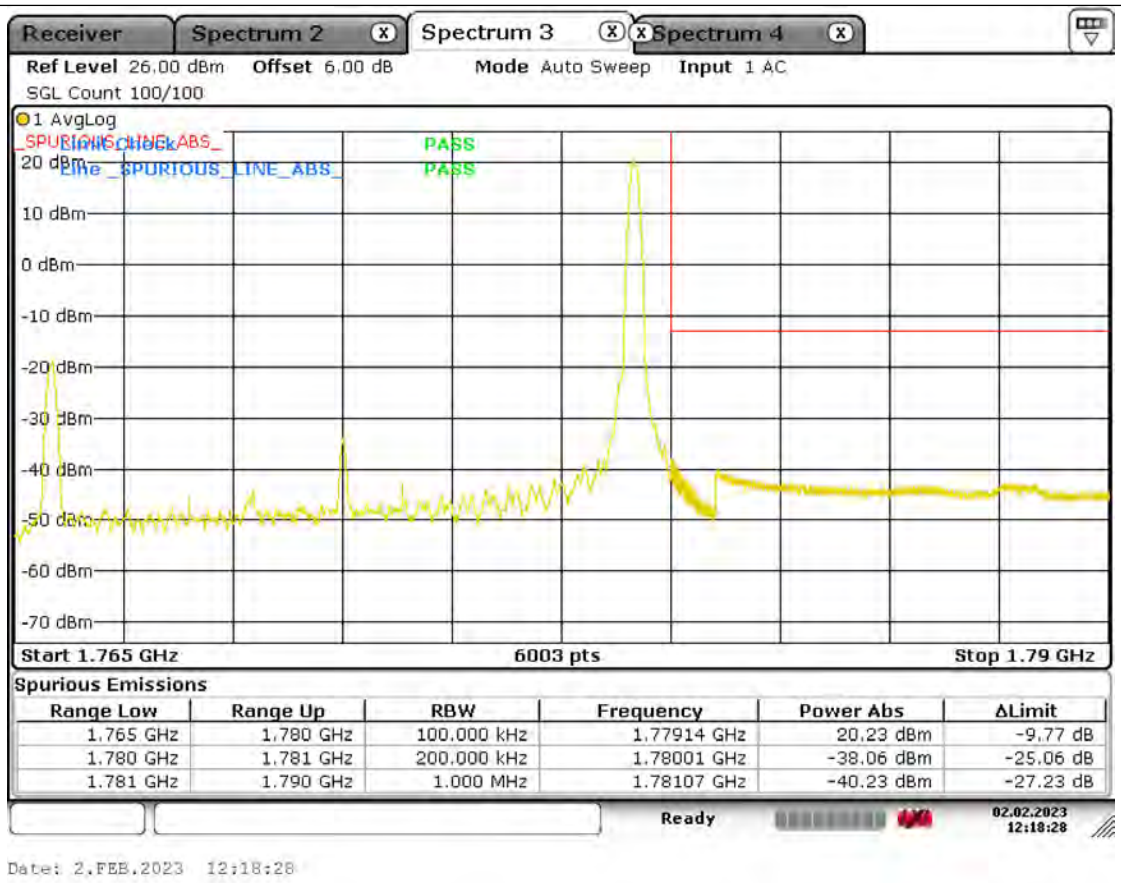
Band66-15MHz-QPSK-132047-1RB#0



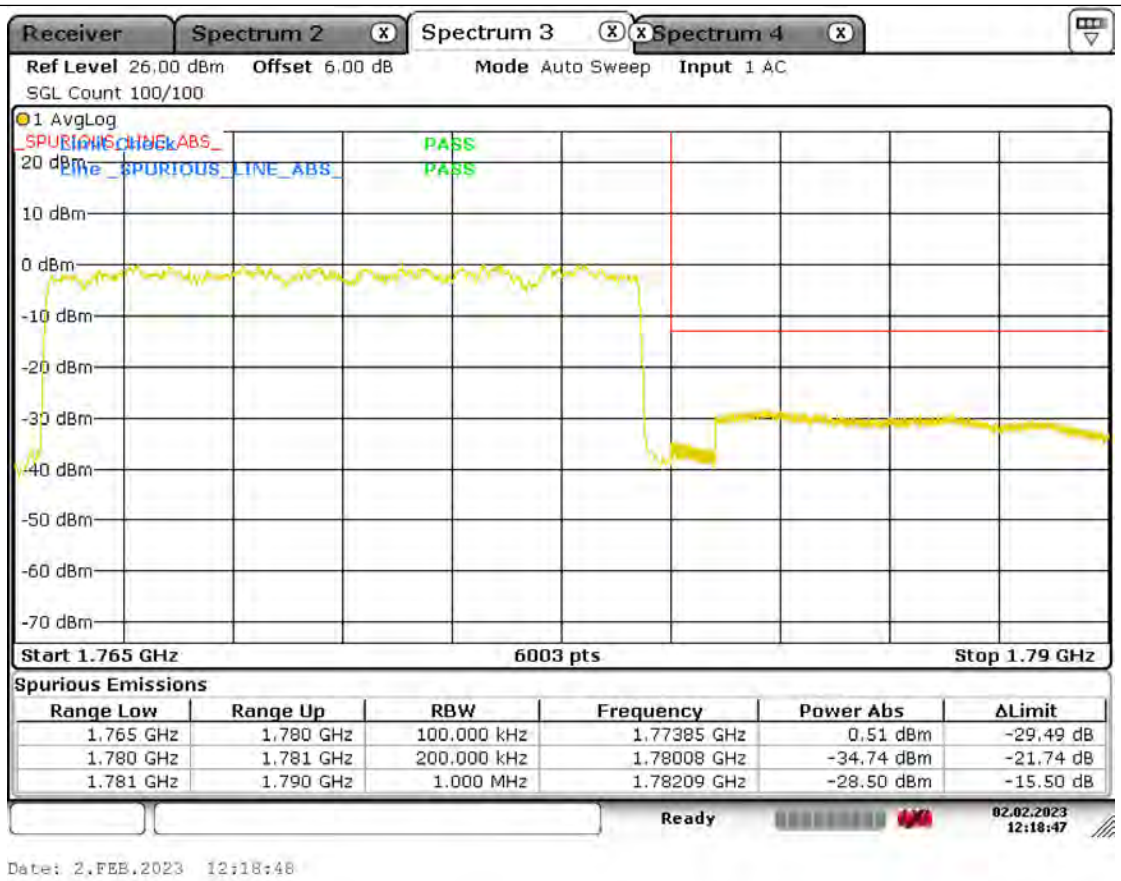
Band66-15MHz-QPSK-132047-75RB#0



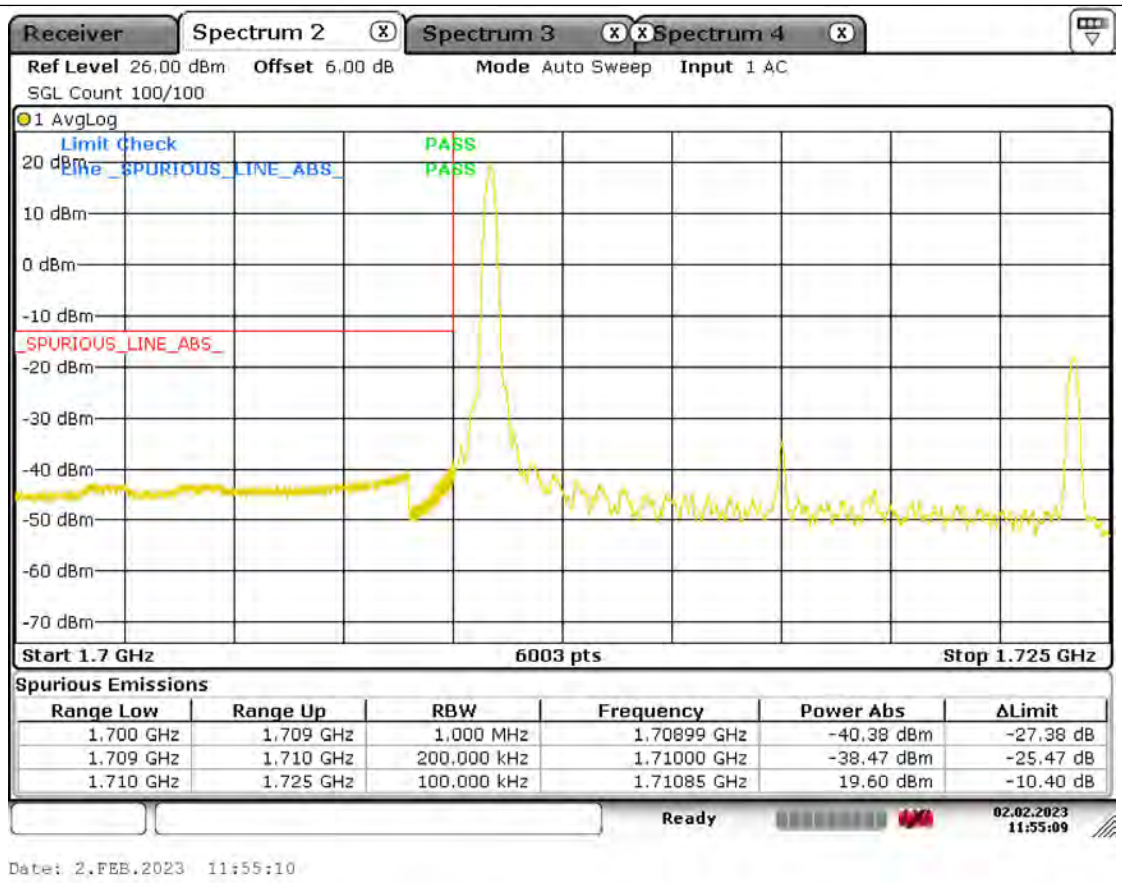
Band66-15MHz-QPSK-132597-1RB#74



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

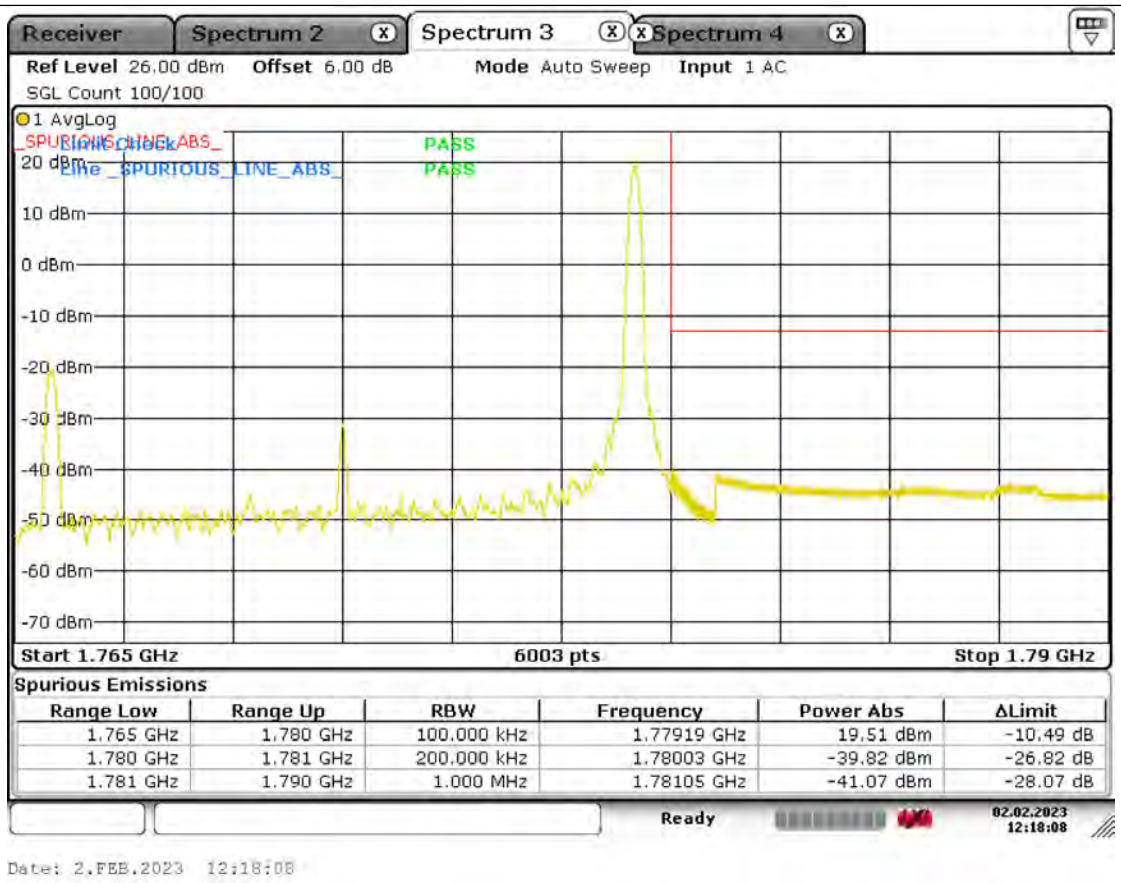


Band66-15MHz-16QAM-132047-1RB#0

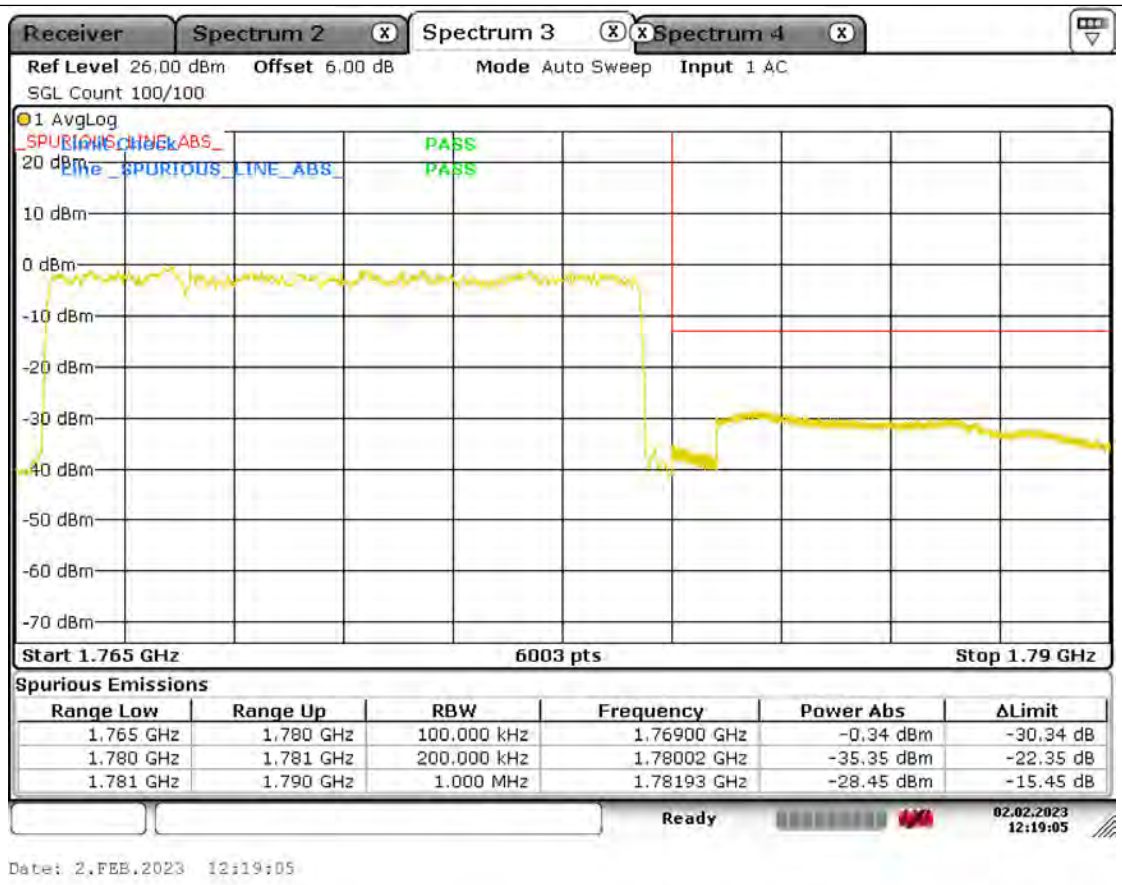


Band66-15MHz-16QAM-132047-75RB#0

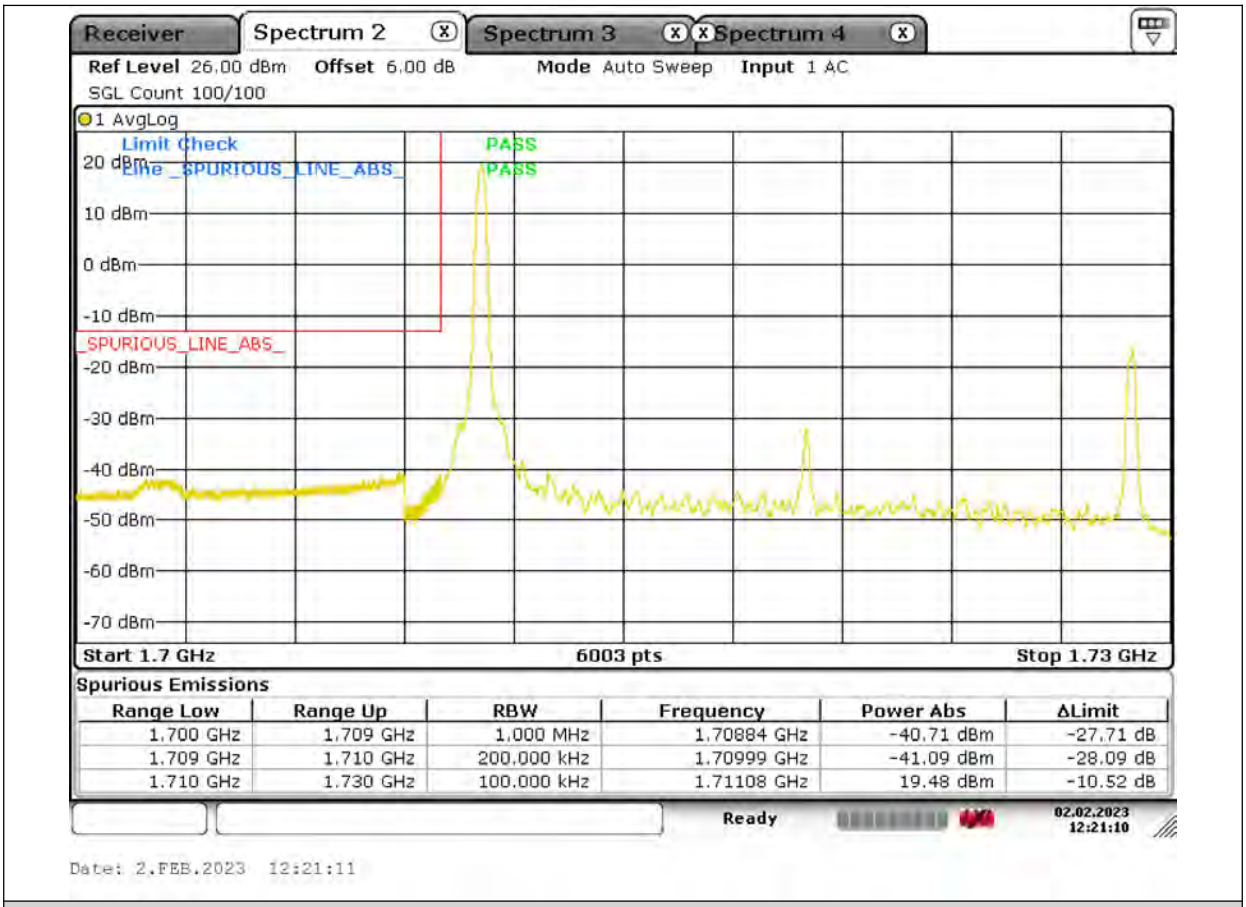
Band66-15MHz-16QAM-132597-1RB#74



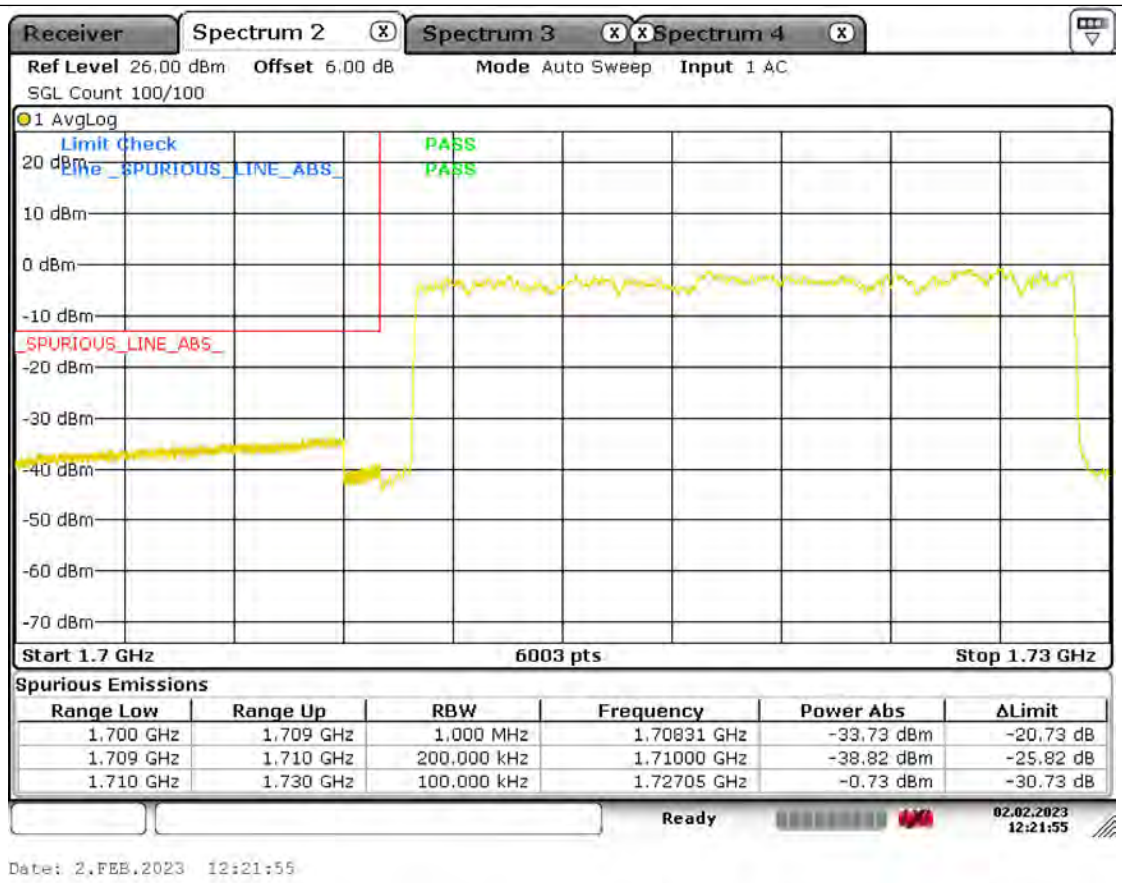
Band66-15MHz-16QAM-132597-75RB#0



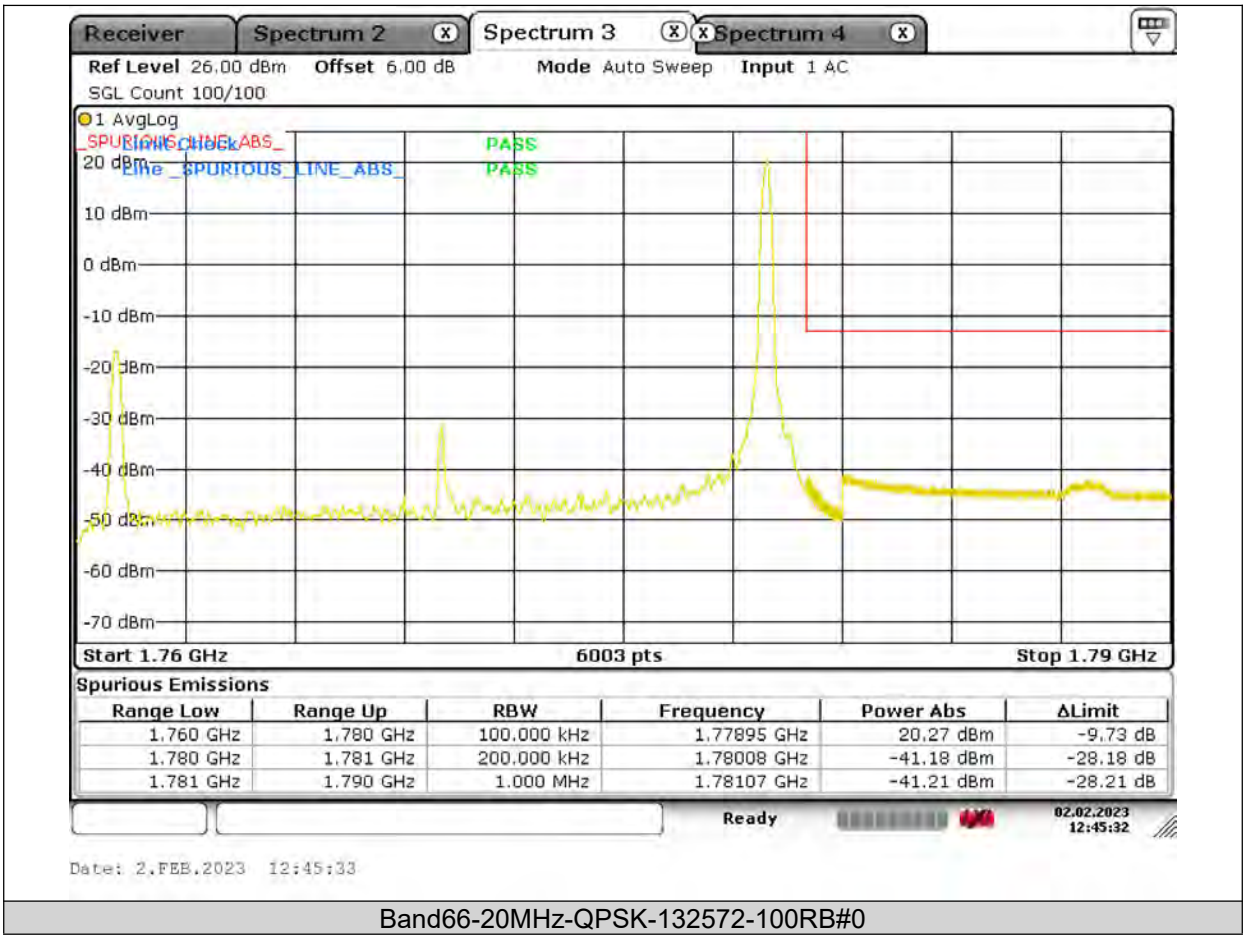
Band66-20MHz-QPSK-132072-1RB#0



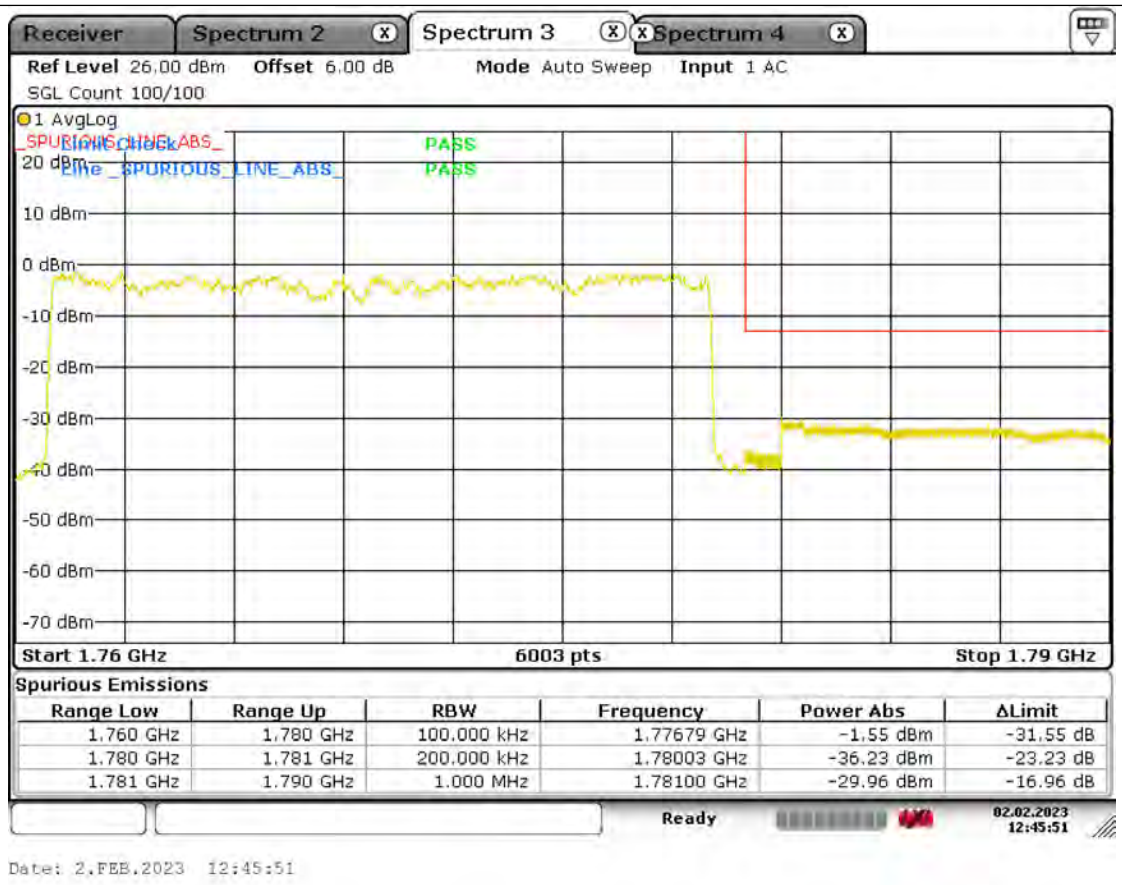
Band66-20MHz-QPSK-132072-100RB#0



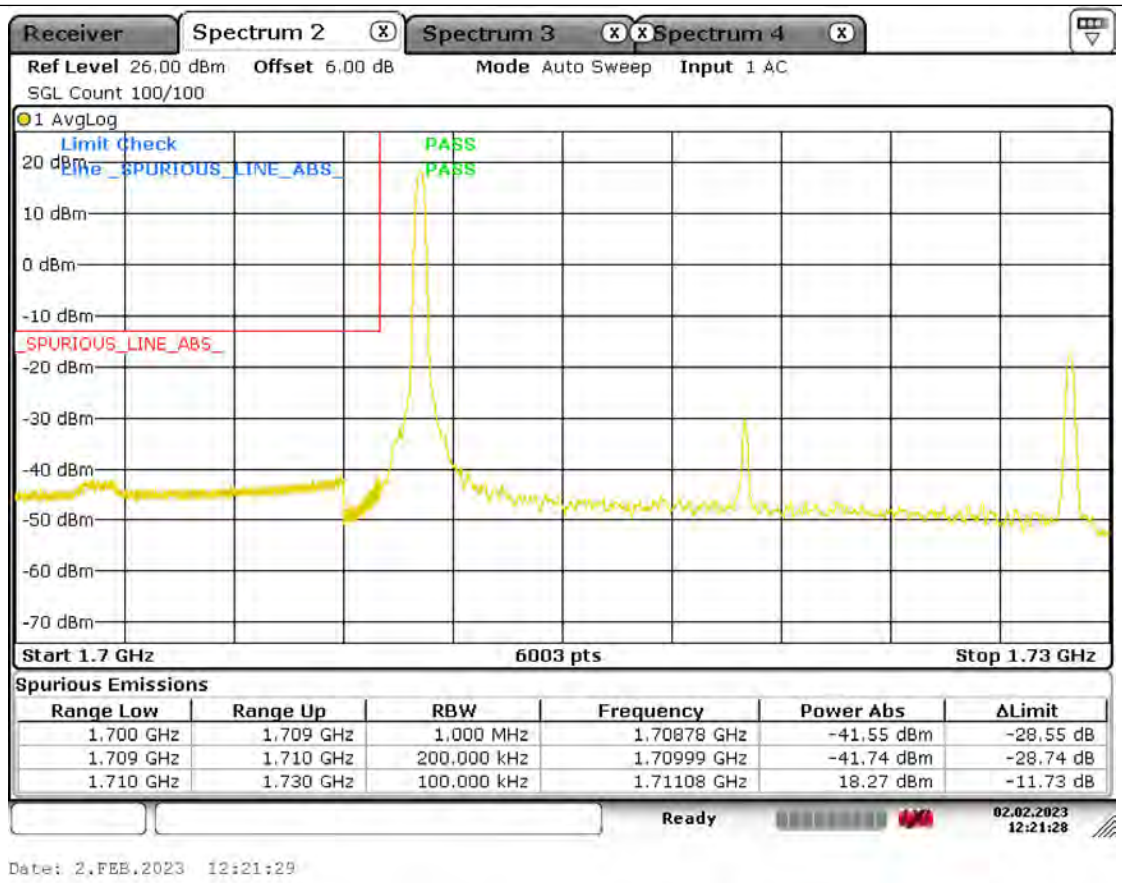
Band66-20MHz-QPSK-132572-1RB#99



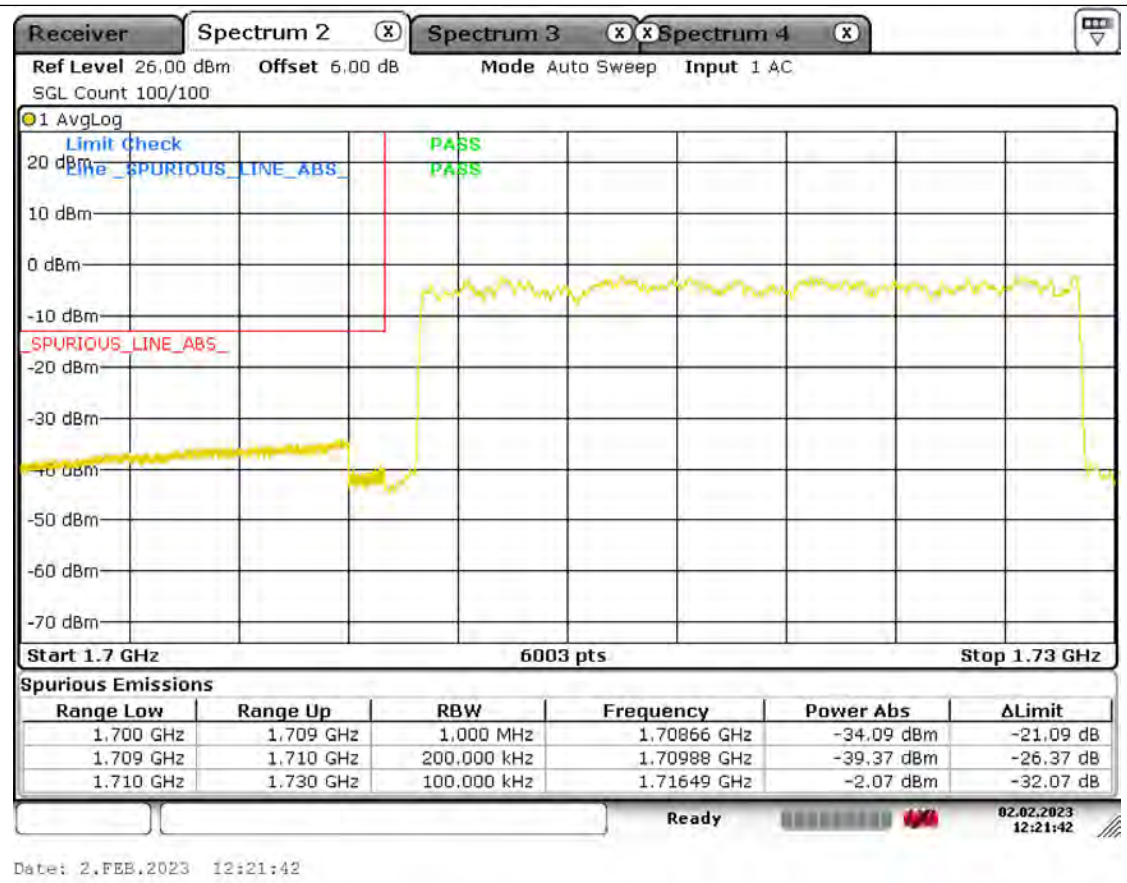
Band66-20MHz-QPSK-132572-100RB#0



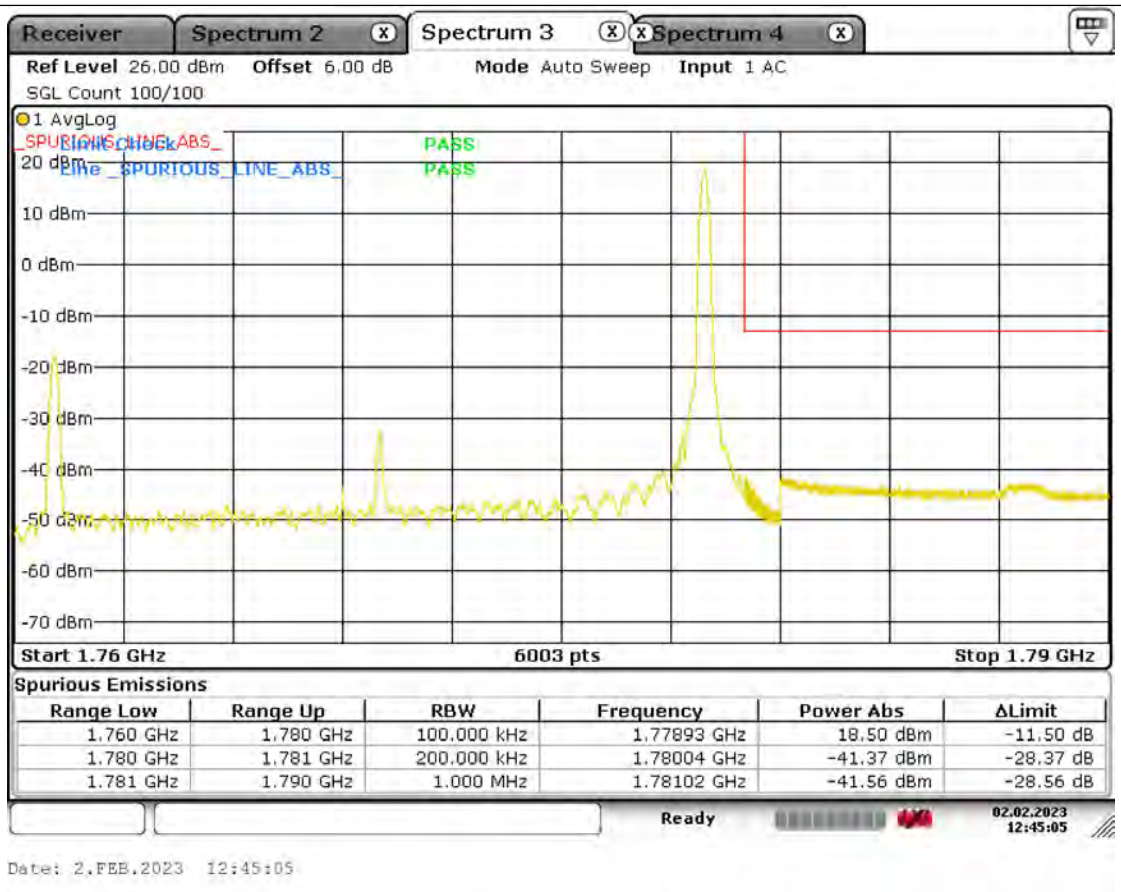
Band66-20MHz-16QAM-132072-1RB#0



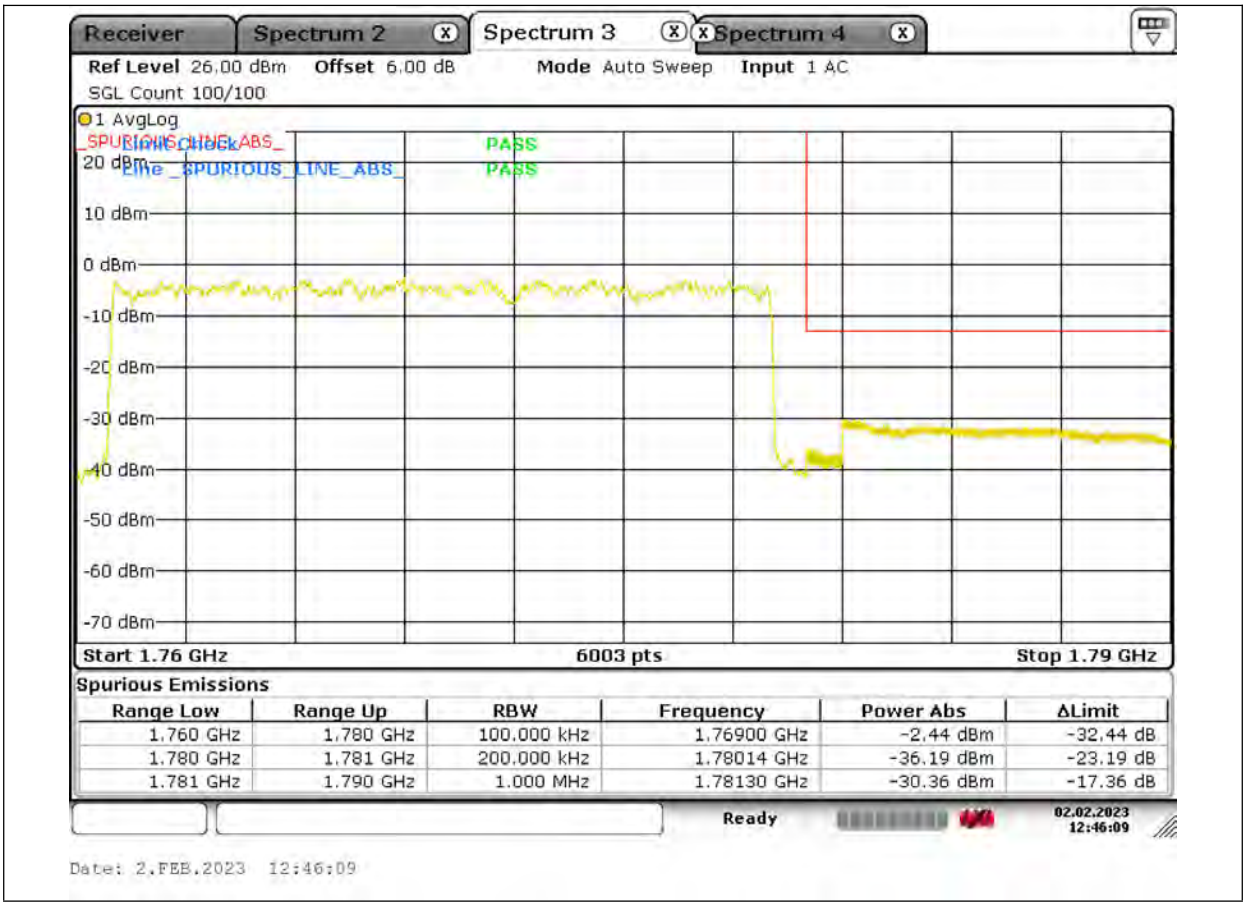
Band66-20MHz-16QAM-132072-100RB#0



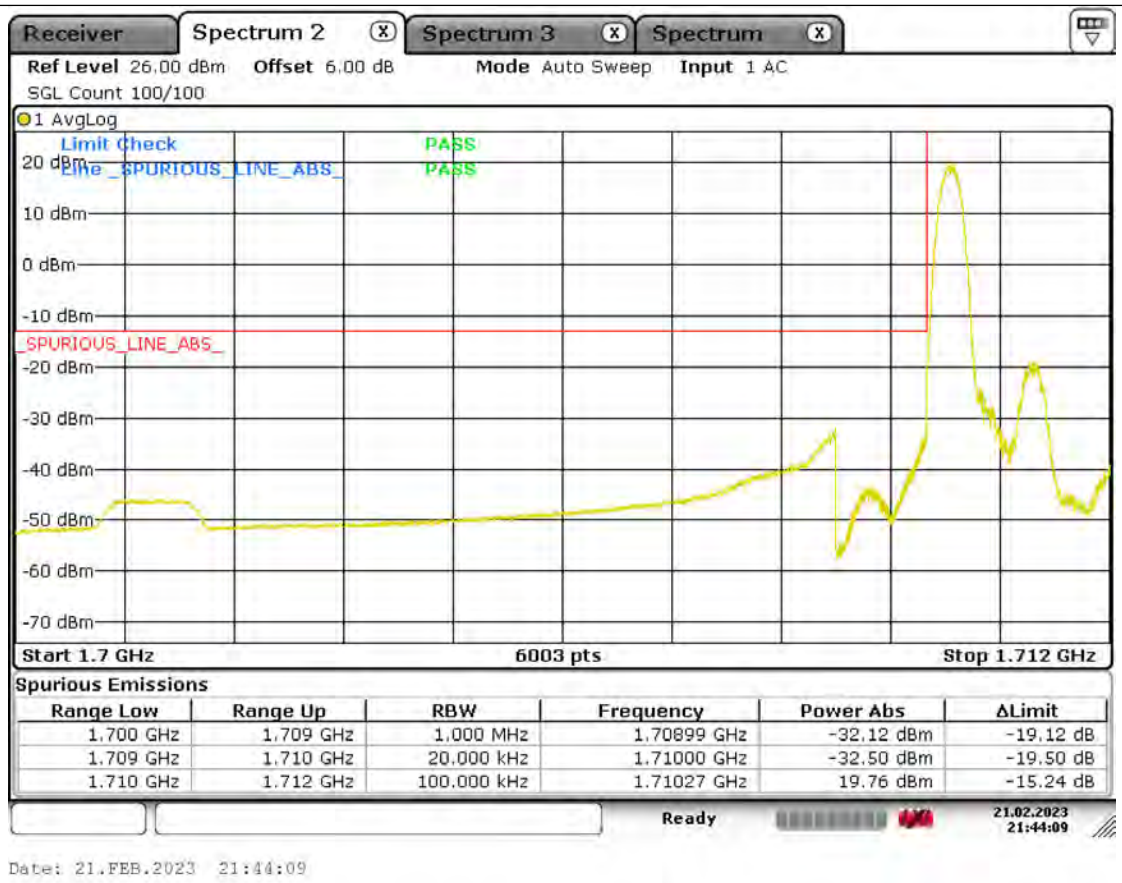
Band66-20MHz-16QAM-132572-1RB#99



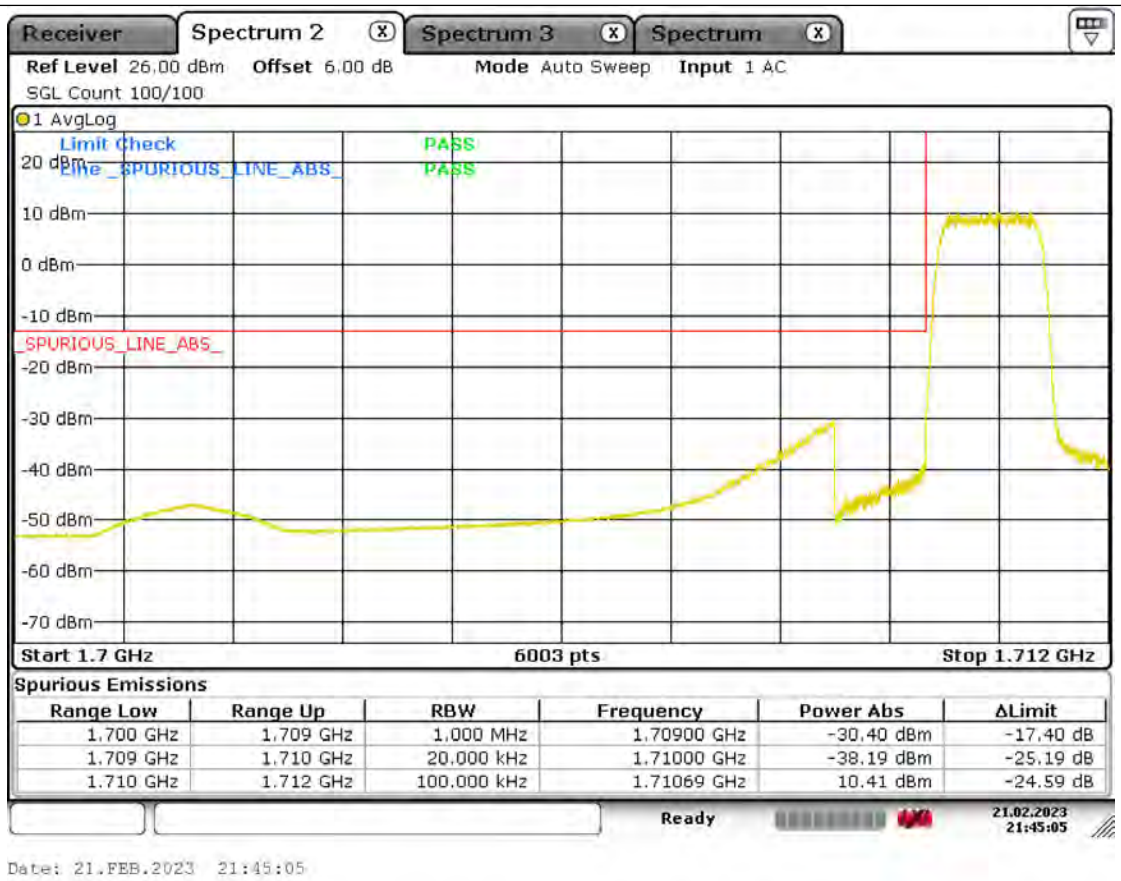
Band66-20MHz-16QAM-132572-100RB#0



Band66-1.4MHz-64QAM-131979-1RB#0



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



Band66-1.4MHz-64QAM-132665-1RB#5