

LTE Band 40 Upper

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5M BW Low Channel								
2352.50	H	84.72	10.64	0.88	9.77	19.53	24.00	4.47
2352.50	V	84.43	10.35	0.88	9.77	19.24	24.00	4.76
16-QAM 5M BW Low Channel								
2352.50	H	85.62	11.54	0.88	9.77	20.43	24.00	3.57
2352.50	V	84.85	10.77	0.88	9.77	19.66	24.00	4.34

LTE Band 40 Upper

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5M BW Middle Channel								
2355.00	H	84.23	10.15	0.88	9.78	19.05	24.00	4.95
2355.00	V	84.44	10.36	0.88	9.78	19.26	24.00	4.74
16-QAM 5M BW Middle Channel								
2355.00	H	85.47	11.39	0.88	9.78	20.29	24.00	3.71
2355.00	V	84.63	10.55	0.88	9.78	19.45	24.00	4.55
QPSK 10M BW Middle Channel								
2355.00	H	85.92	11.84	0.88	9.78	20.74	24.00	3.26
2355.00	V	84.37	10.29	0.88	9.78	19.19	24.00	4.81
16-QAM 10M BW Middle Channel								
2355.00	H	85.16	11.08	0.88	9.78	19.98	24.00	4.02
2355.00	V	84.45	10.37	0.88	9.78	19.27	24.00	4.73

LTE Band 40 Upper

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5M BW High Channel								
2357.50	H	84.71	10.63	0.88	9.79	19.54	24.00	4.46
2357.50	V	84.64	10.56	0.88	9.79	19.47	24.00	4.53
16-QAM 5M BW High Channel								
2357.50	H	85.63	11.55	0.88	9.79	20.46	24.00	3.54
2357.50	V	84.74	10.66	0.88	9.79	19.57	24.00	4.43

LTE Band 41

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5M BW Low Channel								
2557.50	V	85.81	12.82	0.89	10.02	21.95	33	11.05
2557.50	H	84.88	11.89	0.89	10.02	21.02	33	11.98
16-QAM 5M BW Low Channel								
2557.50	V	85.59	12.60	0.89	10.02	21.73	33	11.27
2557.50	H	84.57	11.58	0.89	10.02	20.71	33	12.29
QPSK 10M BW Low Channel								
2560.00	V	85.23	12.24	0.89	10.02	21.37	33	11.63
2560.00	H	84.59	11.60	0.89	10.02	20.73	33	12.27
16-QAM 10M BW Low Channel								
2560.00	V	85.04	12.05	0.89	10.02	21.18	33	11.82
2560.00	H	84.78	11.79	0.89	10.02	20.92	33	12.08
QPSK 15M BW Low Channel								
2562.50	V	86.00	13.01	0.89	10.01	22.13	33	10.87
2562.50	H	84.74	11.75	0.89	10.01	20.87	33	12.13
16-QAM 15M BW Low Channel								
2562.50	V	85.31	12.32	0.89	10.01	21.44	33	11.56
2562.50	H	84.94	11.95	0.89	10.01	21.07	33	11.93
QPSK 20M BW Low Channel								
2565.00	V	85.66	12.67	0.89	10.01	21.79	33	11.21
2565.00	H	84.07	11.08	0.89	10.01	20.20	33	12.80
16-QAM 20M BW Low Channel								
2565.00	V	85.12	12.13	0.89	10.01	21.25	33	11.75
2565.00	H	84.30	11.31	0.89	10.01	20.43	33	12.57

LTE Band 41

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5M BW Middle Channel								
2605.00	V	85.62	12.63	0.9	9.95	21.68	33	11.32
2605.00	H	84.56	11.57	0.9	9.95	20.62	33	12.38
16-QAM 5M BW Middle Channel								
2605.00	V	85.52	12.53	0.9	9.95	21.58	33	11.42
2605.00	H	84.85	11.86	0.9	9.95	20.91	33	12.09
QPSK 10M BW Middle Channel								
2605.00	V	85.37	12.38	0.9	9.95	21.43	33	11.57
2605.00	H	84.88	11.89	0.9	9.95	20.94	33	12.06
16-QAM 10M BW Middle Channel								
2605.00	V	85.04	12.05	0.9	9.95	21.10	33	11.9
2605.00	H	84.94	11.95	0.9	9.95	21.00	33	12
QPSK 15M BW Middle Channel								
2605.00	V	85.85	12.86	0.9	9.95	21.91	33	11.09
2605.00	H	84.52	11.53	0.9	9.95	20.58	33	12.42
16-QAM 15M BW Middle Channel								
2605.00	V	85.78	12.79	0.9	9.95	21.84	33	11.16
2605.00	H	84.72	11.73	0.9	9.95	20.78	33	12.22
QPSK 20M BW Middle Channel								
2605.00	V	85.12	12.13	0.9	9.95	21.18	33	11.82
2605.00	H	84.56	11.57	0.9	9.95	20.62	33	12.38
16-QAM 20M BW Middle Channel								
2605.00	V	85.31	12.32	0.9	9.95	21.37	33	11.63
2605.00	H	84.44	11.45	0.9	9.95	20.50	33	12.50

LTE Band 41

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5M BW High Channel								
2652.50	V	85.09	12.10	0.9	9.89	21.09	33	11.91
2652.50	H	84.75	11.76	0.9	9.89	20.75	33	12.25
16-QAM 5M BW High Channel								
2652.50	V	85.00	12.01	0.9	9.89	21.00	33	12.00
2652.50	H	84.36	11.37	0.9	9.89	20.36	33	12.64
QPSK 10M BW High Channel								
2650.00	V	85.96	12.97	0.9	9.89	21.96	33	11.04
2650.00	H	84.81	11.82	0.9	9.89	20.81	33	12.19
16-QAM 10M BW High Channel								
2650.00	V	85.13	12.14	0.9	9.89	21.13	33	11.87
2650.00	H	84.29	11.30	0.9	9.89	20.29	33	12.71
QPSK 15M BW High Channel								
2647.50	V	85.28	12.29	0.9	9.89	21.28	33	11.72
2647.50	H	84.24	11.25	0.9	9.89	20.24	33	12.76
16-QAM 15M BW High Channel								
2647.50	V	85.20	12.21	0.9	9.89	21.20	33	11.80
2647.50	H	84.49	11.50	0.9	9.89	20.49	33	12.51
QPSK 20M BW High Channel								
2645.00	V	85.31	12.32	0.9	9.9	21.32	33	11.68
2645.00	H	84.13	11.14	0.9	9.9	20.14	33	12.86
16-QAM 20M BW High Channel								
2645.00	V	85.29	12.30	0.9	9.9	21.30	33	11.70
2645.00	H	84.74	11.75	0.9	9.9	20.75	33	12.25

LTE Band 66

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4M BW Low Channel								
1710.70	V	88.51	12.60	0.84	8.54	20.30	30	9.70
1710.70	H	87.53	11.62	0.84	8.54	19.32	30	10.68
16-QAM 1.4M BW Low Channel								
1710.70	V	88.34	12.43	0.84	8.54	20.13	30	9.87
1710.70	H	87.94	12.03	0.84	8.54	19.73	30	10.27
QPSK 3M BW Low Channel								
1711.50	V	88.37	12.47	0.84	8.54	20.17	30	9.83
1711.50	H	87.33	11.43	0.84	8.54	19.13	30	10.87
16-QAM 3M BW Low Channel								
1711.50	V	88.76	12.86	0.84	8.54	20.56	30	9.44
1711.50	H	87.19	11.29	0.84	8.54	18.99	30	11.01
QPSK 5M BW Low Channel								
1712.50	V	88.31	12.42	0.84	8.54	20.12	30	9.88
1712.50	H	87.94	12.05	0.84	8.54	19.75	30	10.25
16-QAM 5M BW Low Channel								
1712.50	V	88.34	12.45	0.84	8.54	20.15	30	9.85
1712.50	H	87.99	12.10	0.84	8.54	19.80	30	10.20

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 10M BW Low Channel								
1715.00	V	88.24	12.37	0.84	8.54	20.07	30	9.93
1715.00	H	87.65	11.78	0.84	8.54	19.48	30	10.52
16-QAM 10M BW Low Channel								
1715.00	V	88.88	13.01	0.84	8.54	20.71	30	9.29
1715.00	H	87.91	12.04	0.84	8.54	19.74	30	10.26
QPSK 15M BW Low Channel								
1717.50	V	88.55	12.69	0.84	8.55	20.40	30	9.60
1717.50	H	87.25	11.39	0.84	8.55	19.10	30	10.90
16-QAM 15M BW Low Channel								
1717.50	V	88.60	12.74	0.84	8.55	20.45	30	9.55
1717.50	H	87.43	11.57	0.84	8.55	19.28	30	10.72
QPSK 20M BW Low Channel								
1720.00	V	88.43	12.59	0.84	8.55	20.30	30	9.70
1720.00	H	87.27	11.43	0.84	8.55	19.14	30	10.86
16-QAM 20M BW Low Channel								
1720.00	V	88.67	12.83	0.84	8.55	20.54	30	9.46
1720.00	H	87.94	12.10	0.84	8.55	19.81	30	10.19

LTE Band 66

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4M BW Middle Channel								
1745.00	V	88.06	12.40	0.84	8.59	20.15	30	9.85
1745.00	H	87.87	12.21	0.84	8.59	19.96	30	10.04
16-QAM 1.4M BW Middle Channel								
1745.00	V	88.81	13.15	0.84	8.59	20.90	30	9.10
1745.00	H	87.69	12.03	0.84	8.59	19.78	30	10.22
QPSK 3M BW Middle Channel								
1745.00	V	88.12	12.46	0.84	8.59	20.21	30	9.79
1745.00	H	87.73	12.07	0.84	8.59	19.82	30	10.18
16-QAM 3M BW Middle Channel								
1745.00	V	88.31	12.65	0.84	8.59	20.40	30	9.60
1745.00	H	87.19	11.53	0.84	8.59	19.28	30	10.72
QPSK 5M BW Middle Channel								
1745.00	V	88.07	12.41	0.84	8.59	20.16	30	9.84
1745.00	H	87.78	12.12	0.84	8.59	19.87	30	10.13
16-QAM 5M BW Middle Channel								
1745.00	V	88.27	12.61	0.84	8.59	20.36	30	9.64
1745.00	H	87.70	12.04	0.84	8.59	19.79	30	10.21

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 10M BW Middle Channel								
1745.00	V	88.33	12.67	0.84	8.59	20.42	30	9.58
1745.00	H	87.77	12.11	0.84	8.59	19.86	30	10.14
16-QAM 10M BW Middle Channel								
1745.00	V	88.21	12.55	0.84	8.59	20.30	30	9.70
1745.00	H	87.81	12.15	0.84	8.59	19.90	30	10.10
QPSK 15M BW Middle Channel								
1745.00	V	88.81	13.15	0.84	8.59	20.90	30	9.10
1745.00	H	87.99	12.33	0.84	8.59	20.08	30	9.92
16-QAM 15M BW Middle Channel								
1745.00	V	88.02	12.36	0.84	8.59	20.11	30	9.89
1745.00	H	87.44	11.78	0.84	8.59	19.53	30	10.47
QPSK 20M BW Middle Channel								
1745.00	V	88.64	12.98	0.84	8.59	20.73	30	9.27
1745.00	H	87.03	11.37	0.84	8.59	19.12	30	10.88
16-QAM 20M BW Middle Channel								
1745.00	V	88.91	13.25	0.84	8.59	21.00	30	9.00
1745.00	H	87.94	12.28	0.84	8.59	20.03	30	9.97

LTE Band 66

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4M BW High Channel								
1779.30	V	88.07	12.64	0.84	8.65	20.45	30	9.55
1779.30	H	87.54	12.11	0.84	8.65	19.92	30	10.08
16-QAM 1.4M BW High Channel								
1779.30	V	88.77	13.34	0.84	8.65	21.15	30	8.85
1779.30	H	87.41	11.98	0.84	8.65	19.79	30	10.21
QPSK 3M BW High Channel								
1778.50	V	88.99	13.55	0.84	8.64	21.35	30	8.65
1778.50	H	87.89	12.45	0.84	8.64	20.25	30	9.75
16-QAM 3M BW High Channel								
1778.50	V	88.44	13.00	0.84	8.64	20.80	30	9.20
1778.50	H	87.09	11.65	0.84	8.64	19.45	30	10.55
QPSK 5M BW High Channel								
1777.50	V	88.33	12.89	0.84	8.64	20.69	30	9.31
1777.50	H	87.88	12.44	0.84	8.64	20.24	30	9.76
16-QAM 5M BW High Channel								
1777.50	V	88.93	13.49	0.84	8.64	21.29	30	8.71
1777.50	H	87.36	11.92	0.84	8.64	19.72	30	10.28

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Submitted Level (dBm)	Cable loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 10M BW High Channel								
1775.00	V	88.91	13.45	0.84	8.64	21.25	30	8.75
1775.00	H	87.58	12.12	0.84	8.64	19.92	30	10.08
16-QAM 10M BW High Channel								
1775.00	V	88.82	13.36	0.84	8.64	21.16	30	8.84
1775.00	H	87.26	11.80	0.84	8.64	19.60	30	10.40
QPSK 15M BW High Channel								
1772.50	V	88.76	13.28	0.84	8.64	21.08	30	8.92
1772.50	H	87.55	12.07	0.84	8.64	19.87	30	10.13
16-QAM 15M BW High Channel								
1772.50	V	88.33	12.85	0.84	8.64	20.65	30	9.35
1772.50	H	87.77	12.29	0.84	8.64	20.09	30	9.91
QPSK 20M BW High Channel								
1770.00	V	88.83	13.34	0.84	8.63	21.13	30	8.87
1770.00	H	87.97	12.48	0.84	8.63	20.27	30	9.73
16-QAM 20M BW High Channel								
1770.00	V	88.50	13.01	0.84	8.63	20.80	30	9.20
1770.00	H	87.05	11.56	0.84	8.63	19.35	30	10.65

Note:

All above data were tested without amplifier.

Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)

Margin (dB) = Limit (dBm) - Absolute Level (dBm)

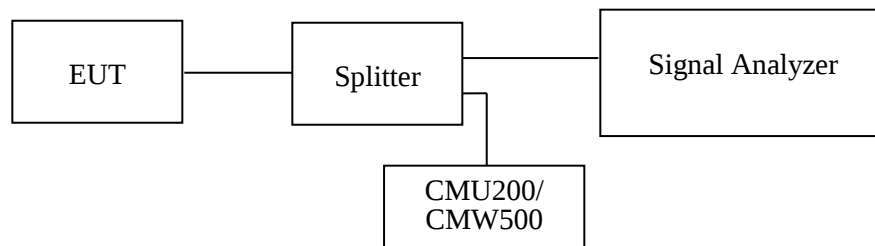
FCC §2.1049, §22.917, §22.905 & §24.238, §27.53, §90.209- OCCUPIED BANDWIDTH**Applicable Standards**

FCC 47 §2.1049, §22.917, §22.905; §24.238; §27.53; §90.209.

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 3 kHz (Cellular /PCS) & 50 kHz (WCDMA) & 30 kHz/50 kHz/100 kHz/200 kHz/300 kHz (LTE), and the 26 dB & 99% bandwidth was recorded.

**Test Data****Environmental Conditions**

Temperature:	23.1-24.9 °C
Relative Humidity:	45-50 %
ATM Pressure:	101.1-101.9 kPa

The testing was performed by Tyrone Wang from 2021-04-27 to 2021-06-02.

EUT operation mode: Transmitting

Test Result: Compliant.

GSM 850 Band

Mode	Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
GPRS (GMSK)	Low	824.2	0.317	0.242
	Middle	836.6	0.317	0.242
	High	848.8	0.315	0.244
EGPRS (8PSK)	Low	824.2	0.317	0.246
	Middle	836.6	0.315	0.248
	High	848.8	0.319	0.244

WCDMA Band V

Mode	Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
WCDMA (Rel 99)	Low	826.4	4.709	4.168
	Middle	836.6	4.689	4.168
	High	846.6	4.709	4.148
WCDMA (HSDPA)	Low	826.4	4.709	4.168
	Middle	836.6	4.689	4.168
	High	846.6	4.729	4.168
WCDMA (HSUPA)	Low	826.4	4.669	4.188
	Middle	836.6	4.689	4.188
	High	846.6	4.689	4.168
WCDMA (HSPA+)	Low	826.4	4.689	4.168
	Middle	836.6	4.709	4.148
	High	846.6	4.689	4.148

PCS 1900

Mode	Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
GPRS (GMSK)	Low	1850.2	0.315	0.244
	Middle	1880	0.317	0.246
	High	1909.8	0.319	0.246
EGPRS (8PSK)	Low	1850.2	0.319	0.248
	Middle	1880	0.316	0.243
	High	1909.8	0.313	0.248

WCDMA Band II

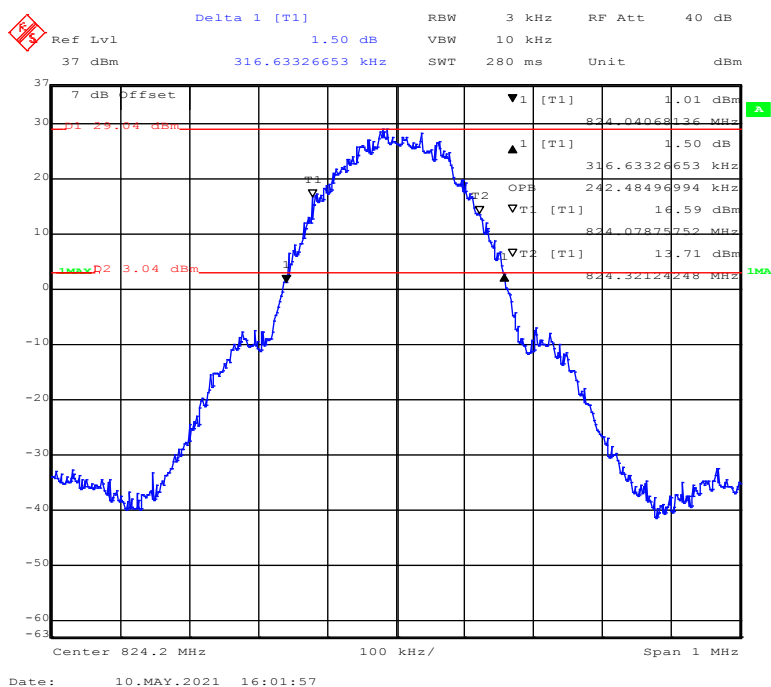
Mode	Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
WCDMA (Rel 99)	Low	1852.4	4.689	4.168
	Middle	1880	4.689	4.168
	High	1907.6	4.669	4.188
WCDMA (HSDPA)	Low	1852.4	4.689	4.188
	Middle	1880	4.689	4.168
	High	1907.6	4.689	4.188
WCDMA (HSUPA)	Low	1852.4	4.689	4.168
	Middle	1880	4.669	4.148
	High	1907.6	4.689	4.148
WCDMA (HSPA+)	Low	1852.4	4.689	4.168
	Middle	1880	4.689	4.168
	High	1907.6	4.689	4.148

WCDMA Band IV

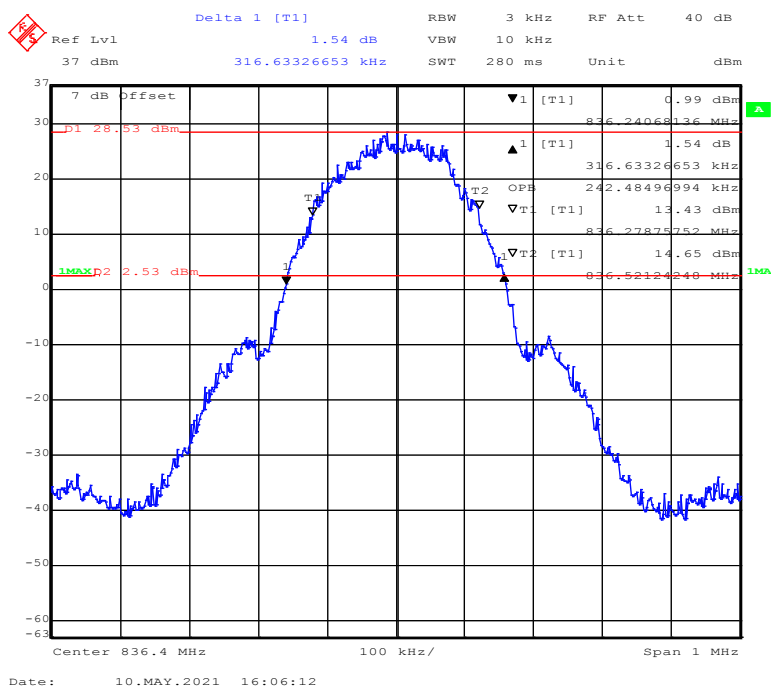
Mode	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
WCDMA (Rel 99)	1712.4	4.689	4.168
	1732.6	4.689	4.168
	1752.6	4.689	4.168
WCDMA (HSDPA)	1712.4	4.689	4.168
	1732.6	4.709	4.168
	1752.6	4.689	4.168
WCDMA (HSUPA)	1712.4	4.689	4.188
	1732.6	4.689	4.168
	1752.6	4.709	4.168
WCDMA (HSPA+)	1712.4	4.689	4.188
	1732.6	4.689	4.168
	1752.6	4.729	4.168

GSM 850 Band

99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) Low channel



99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) Middle channel



Delta 1 [T1] 2.06 dB RBW 3 kHz RF Att 40 dB

Ref Lvl 37 dBm 314.62925852 kHz SWT 280 ms Unit dBm

7 dB Offset

1.88 dBm

2.06 dB

314.62925852 kHz

244.48897796 kHz

15.08 dBm

848.67675351 MHz

11.23 dBm

848.92124248 MHz

Center 848.8 MHz 100 kHz/ Span 1 MHz

Date: 10.MAY.2021 16:08:28

Marker 1 [T1]

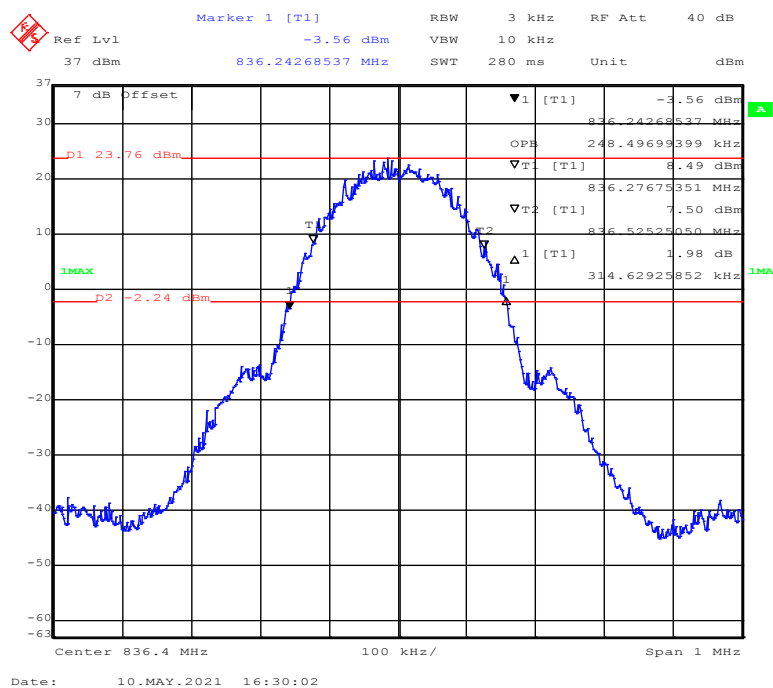
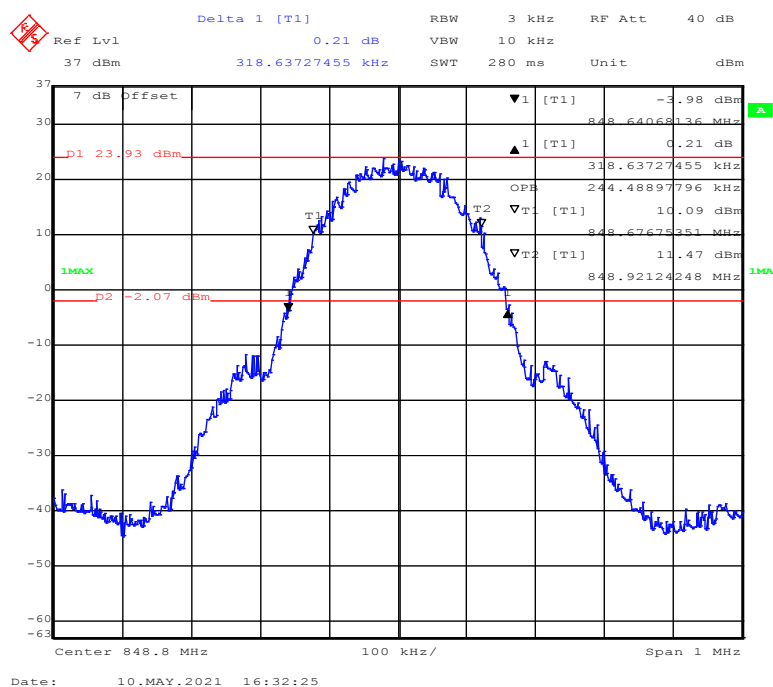
Ref Lvl	-2.24 dBm	RBW	3 kHz	RF Att	40 dB
37 dBm	824.04268537 MHz	SWT	280 ms	Unit	dBm

Measurements:

- ▼1 [T1] -2.24 dBm
- OPB 246.49298597 kHz
- ▽T1 [T1] 8.61 dBm
- T2 824.07675351 MHz
- ▽T2 [T1] 10.13 dBm
- 824.32326653 MHz
- △1 [T1] 0.73 dB
- P2 316.63326653 kHz

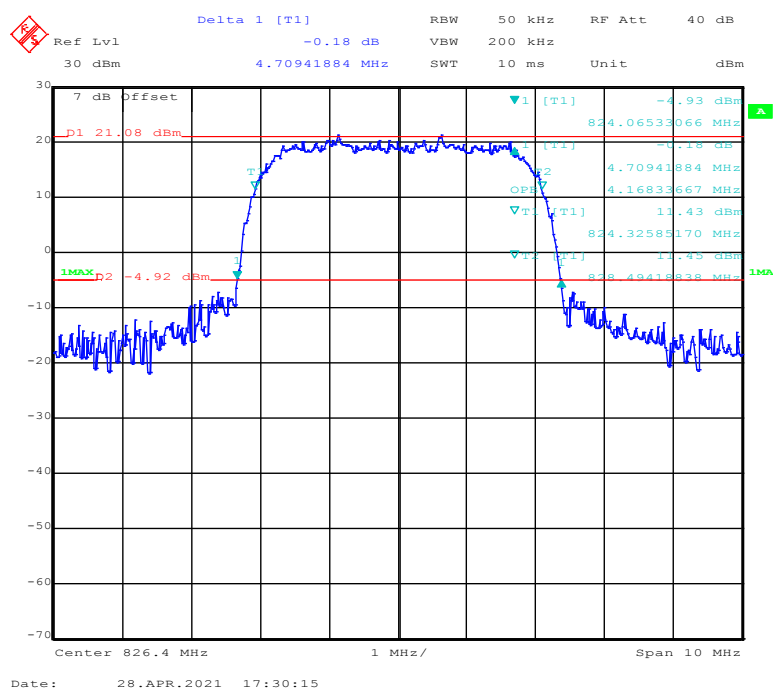
Other Labels: 7 dB Offset, D1 24.15 dBm, 1MAX, p2 -1.85 dBm, 1, T1, T2.

Axes: Center 824.2 MHz, 100 kHz/, Span 1 MHz

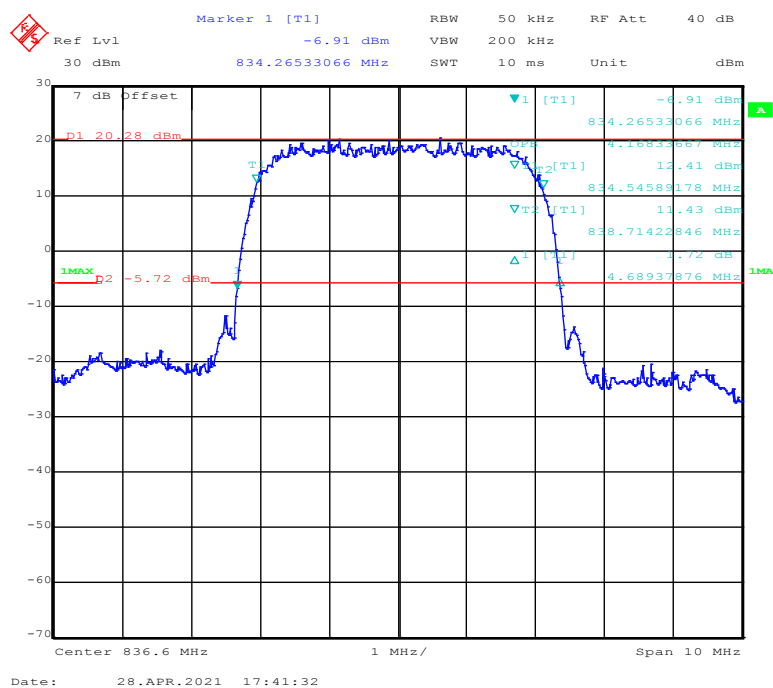
99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) Middle channel**99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) High channel**

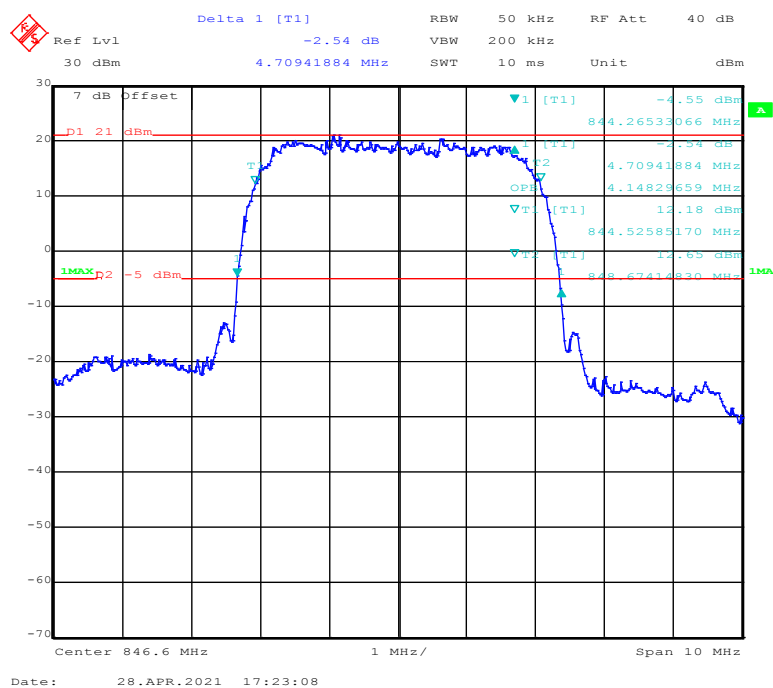
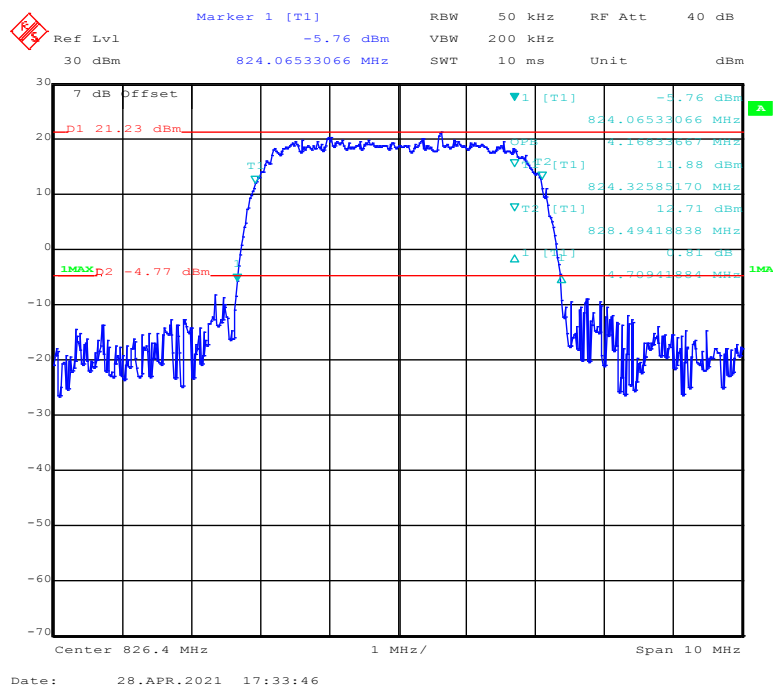
WCDMA Band V

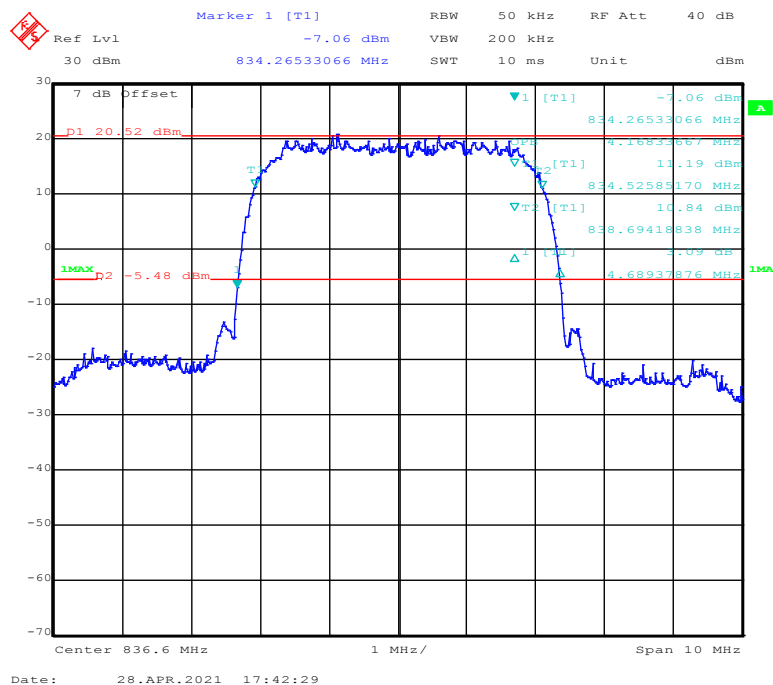
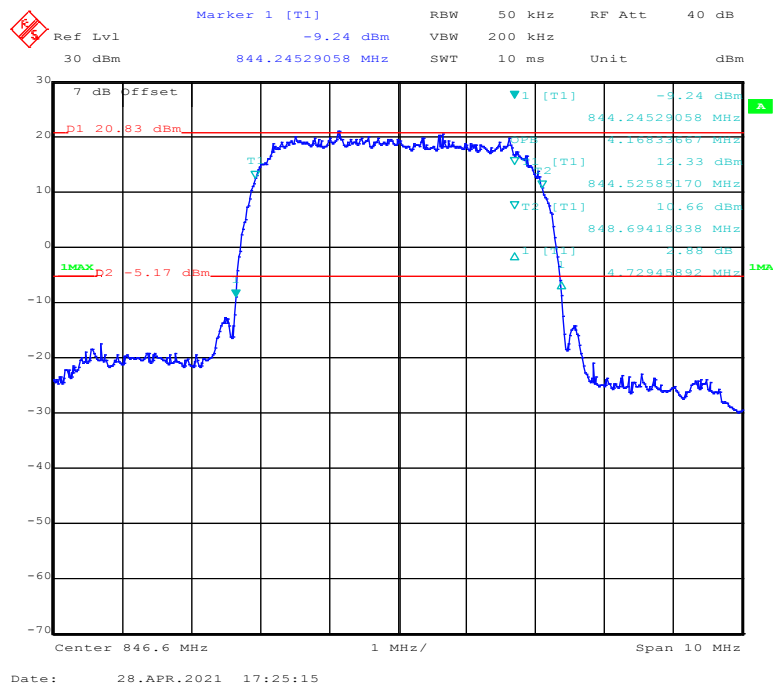
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Low channel

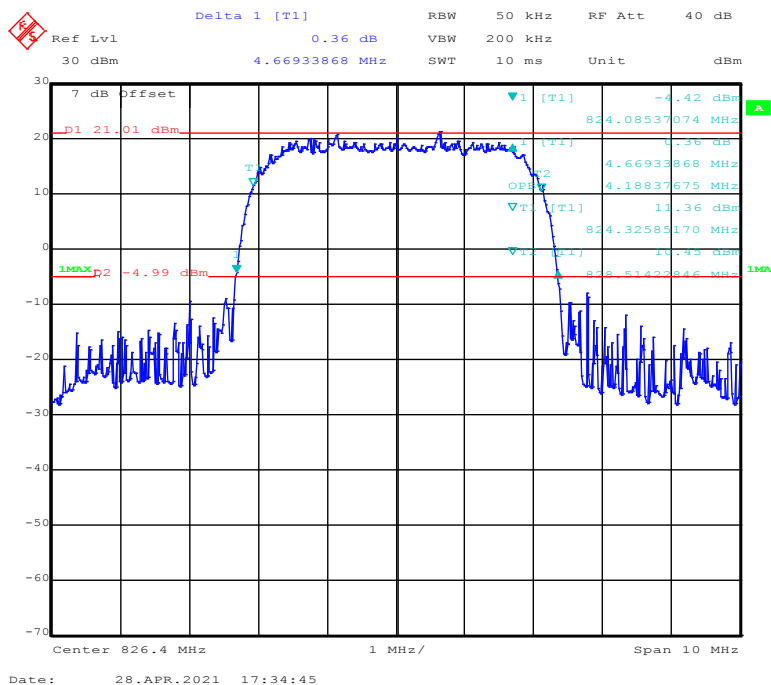
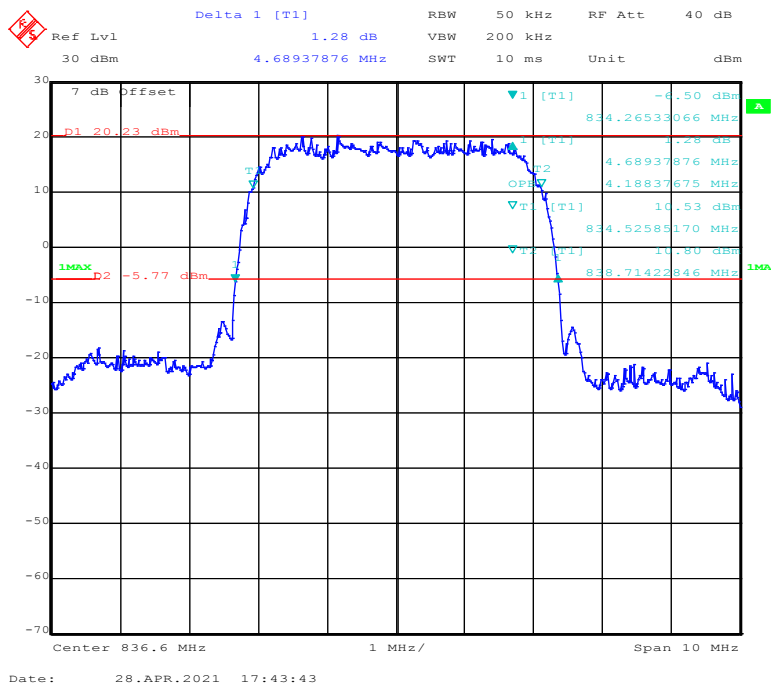


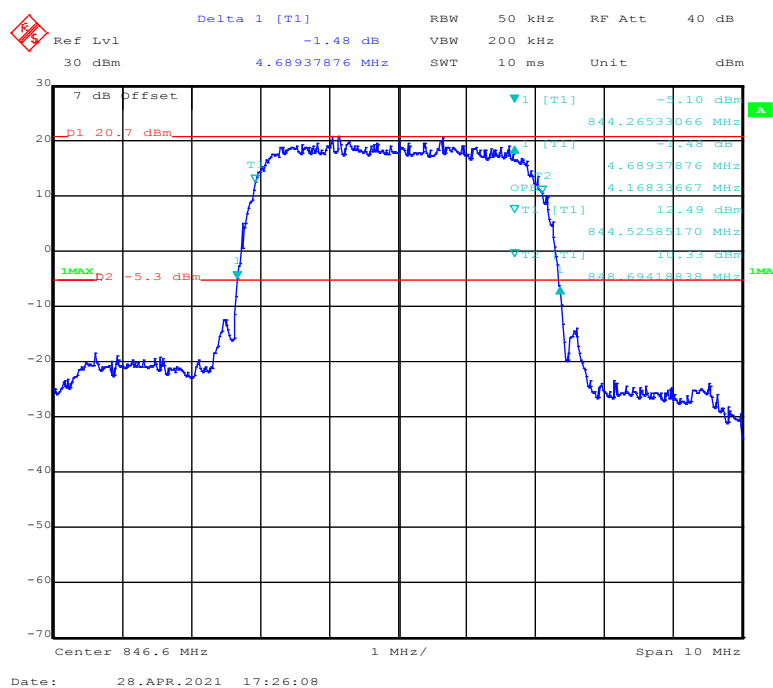
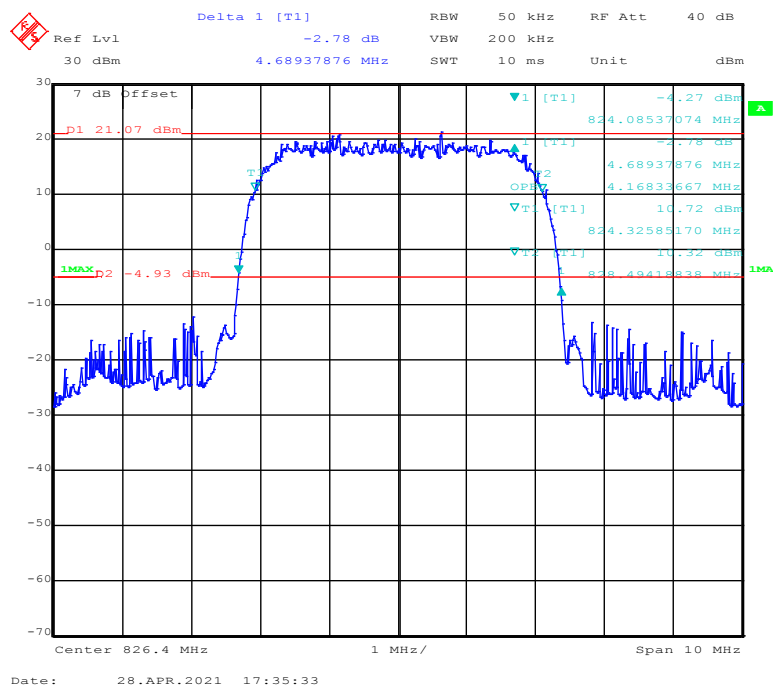
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Middle channel

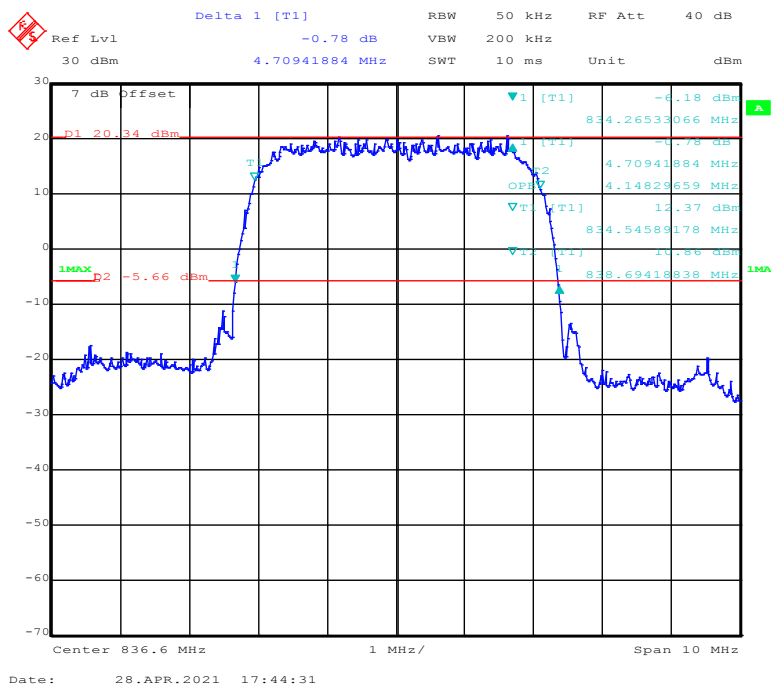
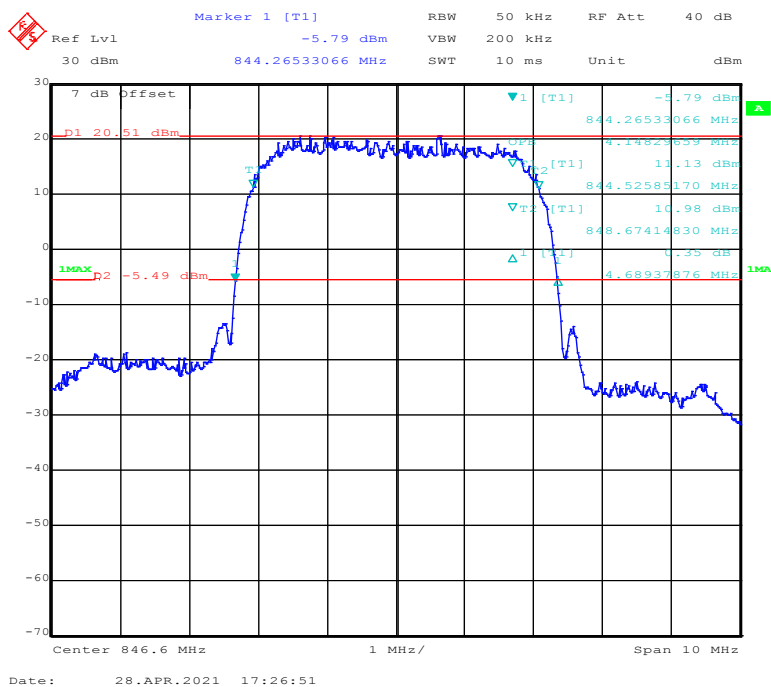


99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) High channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Low channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Middle channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) High channel**

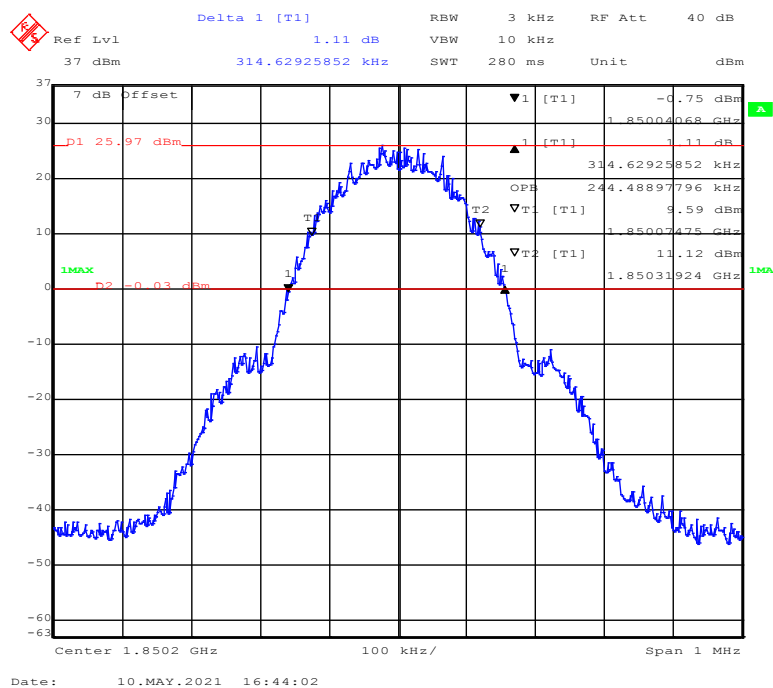
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Low channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Middle channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) High channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Low channel**

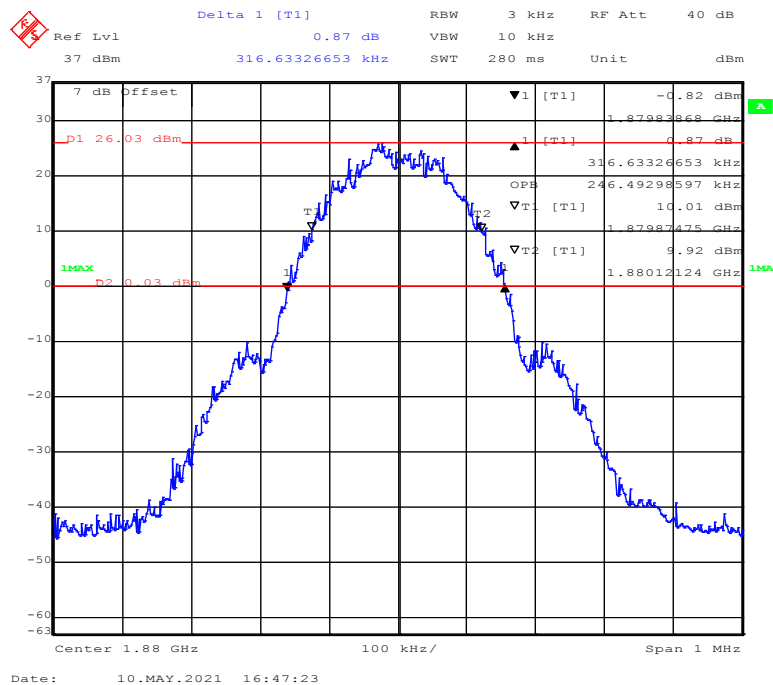
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Middle channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) High channel**

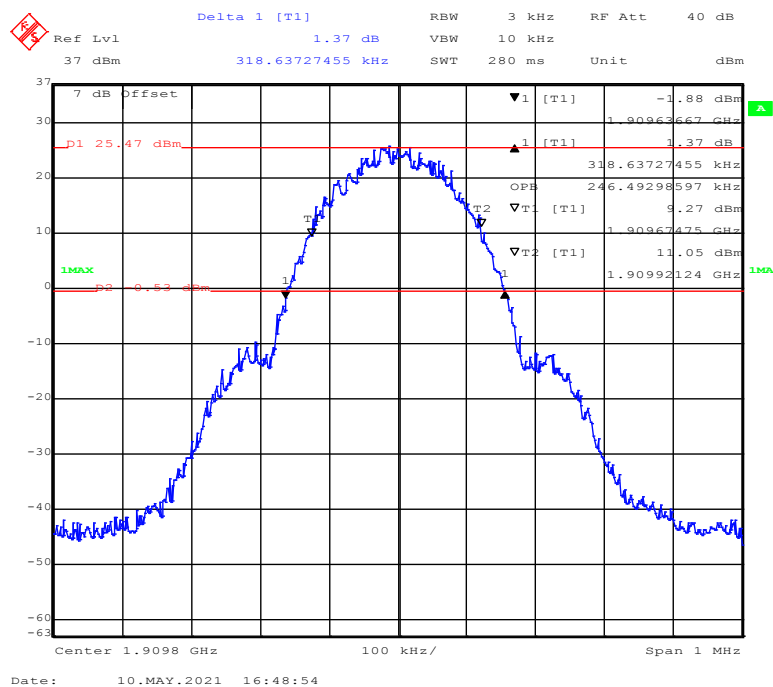
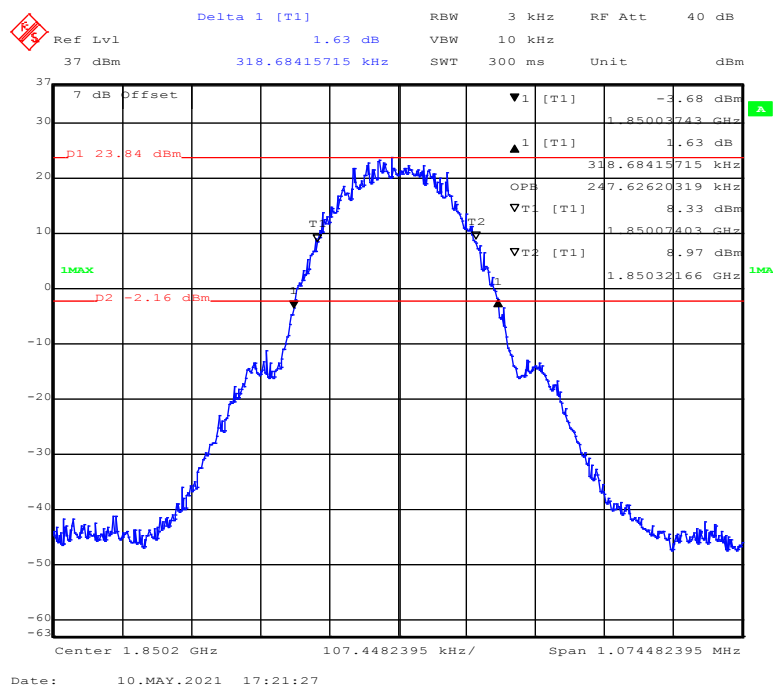
PCS 1900 Band

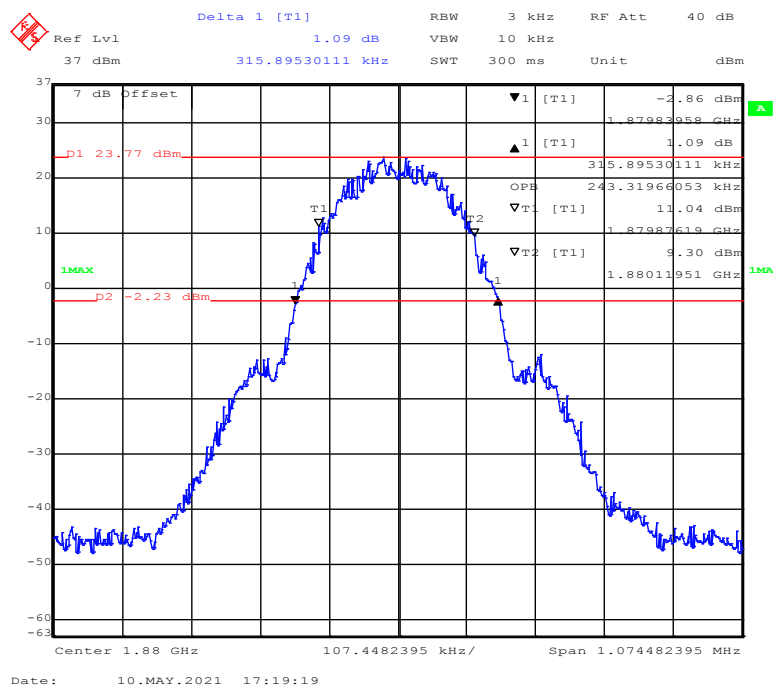
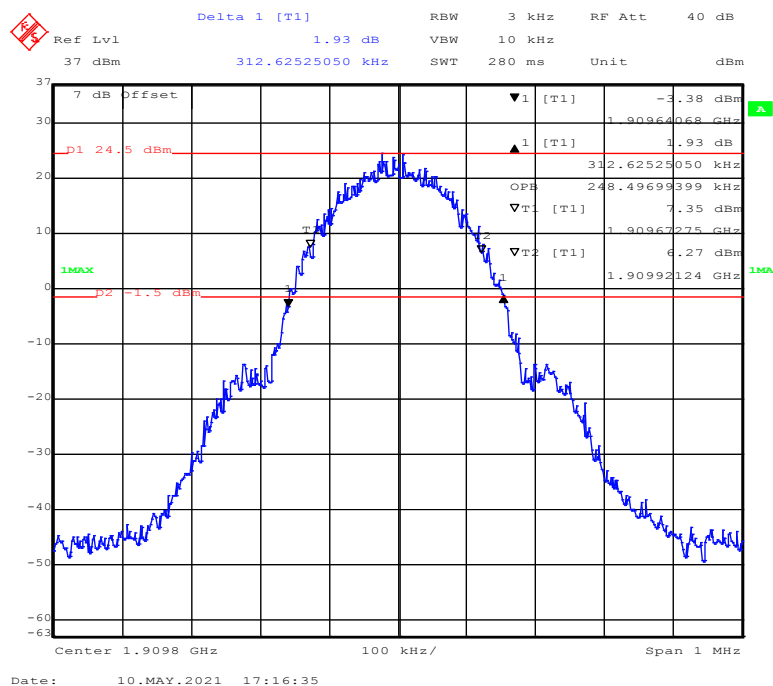
99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) Low channel



99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) Middle channel

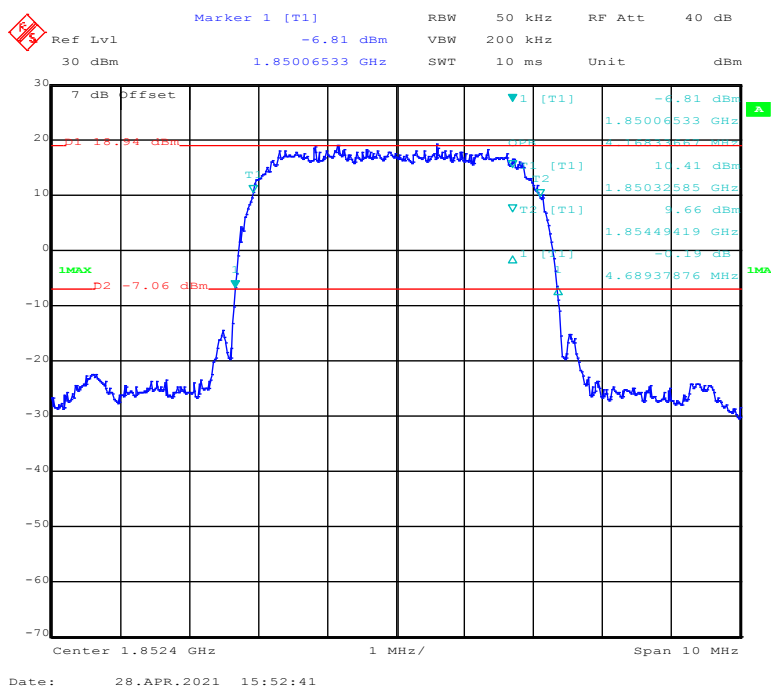


99% Occupied & 26 dB Emissions Bandwidth for GPRS (GMSK) High channel**99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) Low channel**

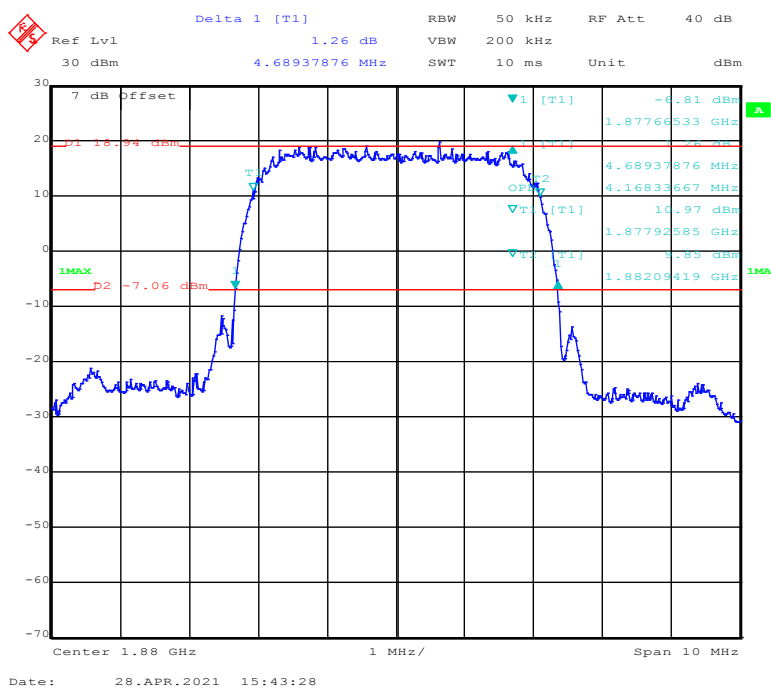
99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) Middle channel**99% Occupied & 26 dB Emissions Bandwidth for EGPRS (8PSK) High channel**

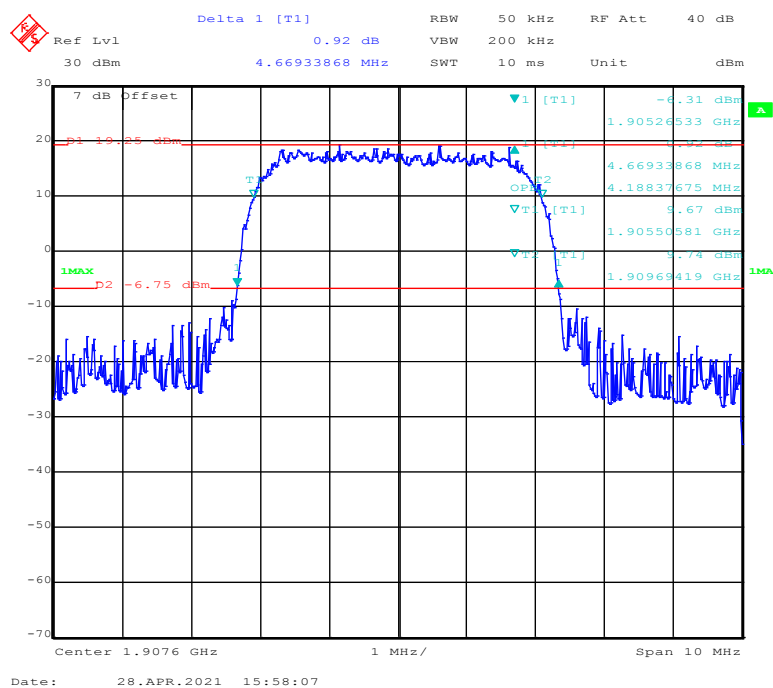
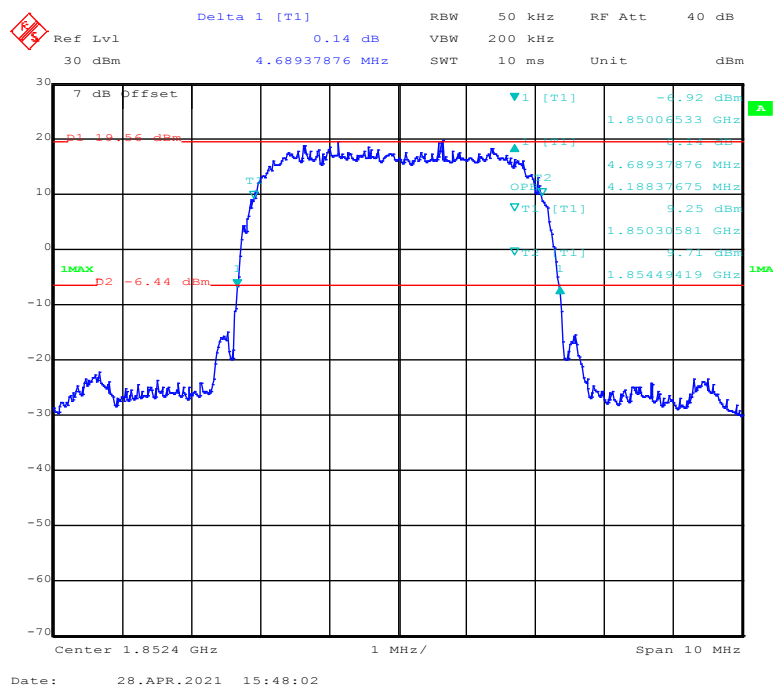
WCDMA Band II

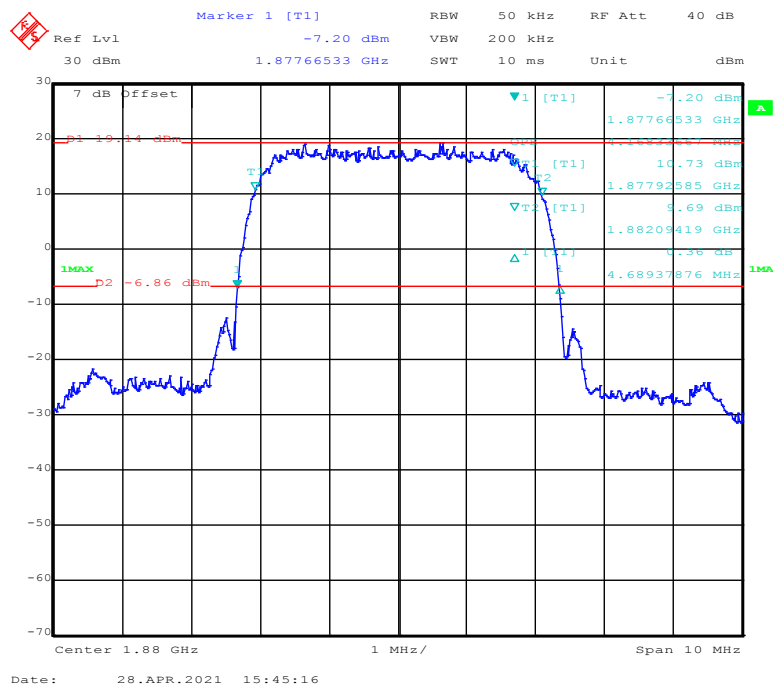
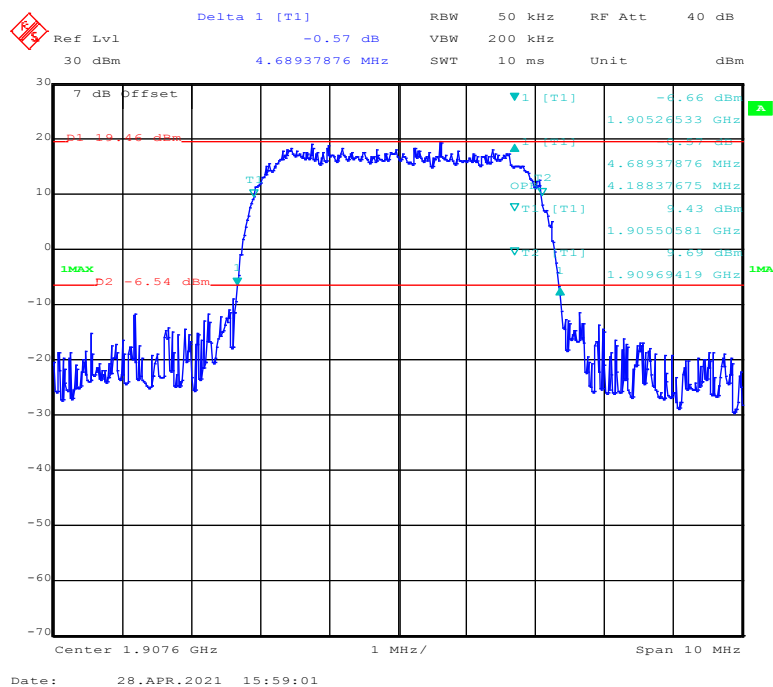
99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Low channel

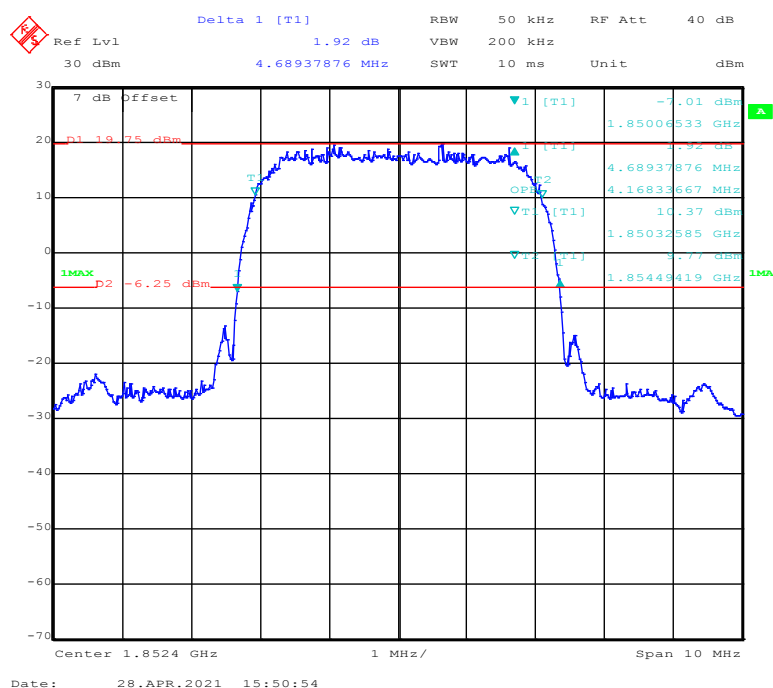
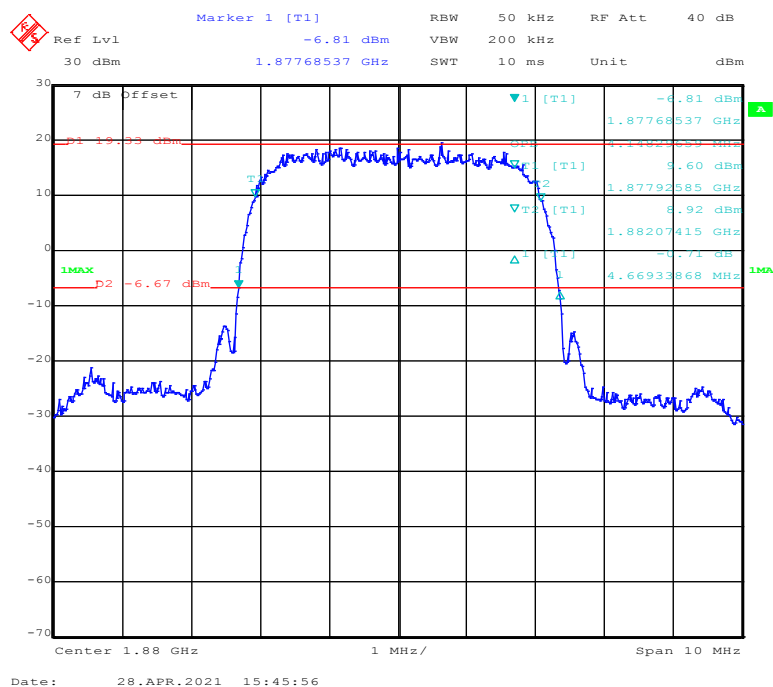


99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Middle channel



99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) High channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Low channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Middle channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) High channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Low channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Middle channel**

Delta 1 [T1] -0.25 dB

Ref Lvl 30 dBm

RBW 50 kHz

VBW 200 kHz

SWT 10 ms

RF Att 40 dB

Unit dBm

7 dB Offset

19.46 dBm

19.0526533 GHz

4.68937876 MHz

4.14829659 MHz

11.22 dBm

1.90552585 GHz

1.90967415 GHz

1MAX

1MAX

Center 1.9076 GHz

1 MHz/

Span 10 MHz

Date: 28.APR.2021 16:01:07

Ref Lvl 30 dBm
 30 dBm
 1.85006533 GHz
 RBW 50 kHz
 VBW 200 kHz
 SWT 10 ms
 RF Att 40 dB
 Unit dBm

Marker 1 [T1]
 -7.30 dBm
 1.85006533 GHz

7 dB Offset
 P1 19.42 dBm
 P2 -6.58 dBm
 1MAX
 1MAX

Center 1.8524 GHz
 1 MHz/
 Span 10 MHz

Date: 28.APR.2021 15:53:26

Ref Lvl 30 dBm
 30 dBm
 1.87766533 GHz
 RBW 50 kHz
 200 kHz
 SWT 10 ms
 RF Att 40 dB
 Unit dBm

7 dB Offset
 -6.97 dBm
 1.87766533 GHz
 10.67 dBm
 1.87792585 GHz
 5.75 dBm
 1.88209419 GHz
 8.11 dBm
 4.68937876 MHz

1MAX
 -6.66 dBm

Center 1.88 GHz
 1 MHz/
 Span 10 MHz

Date: 28.APR.2021 15:47:04

Ref Lvl 30 dBm Delta 1 [T1] 0.20 dB RBW 50 kHz RF Att 40 dB

30 dBm 4.68937876 MHz SWT 10 ms Unit dBm

7 dB Offset

1MAX -6.89 dBm

Center 1.9076 GHz 1 MHz/ Span 10 MHz

▼1 [T1] -7.47 dBm 1.90526533 GHz

▼2 [T1] 4.68937876 MHz

▼3 [T1] 4.14829659 MHz

▼4 [T1] 10.43 dBm

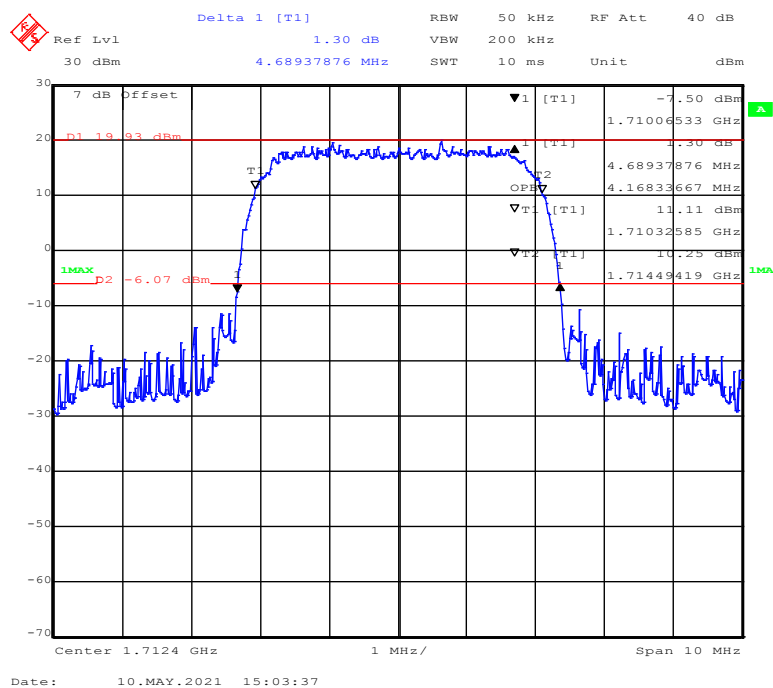
▼5 [T1] 1.90552585 GHz

▼6 [T1] 1.90967415 GHz

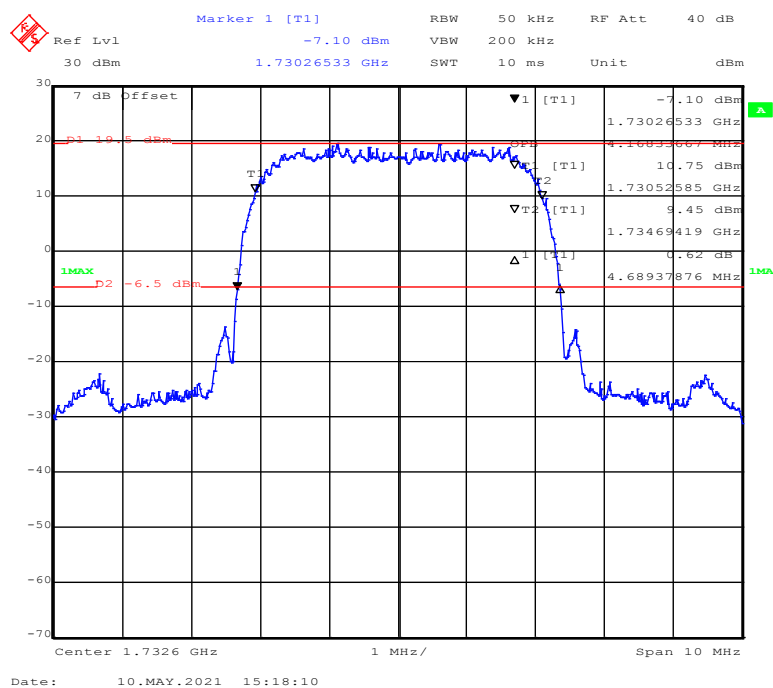
1MAX

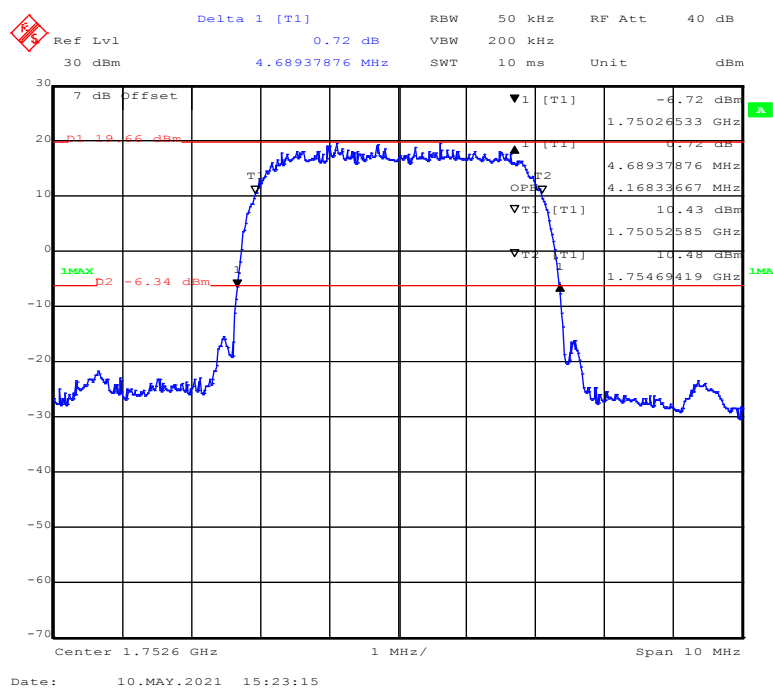
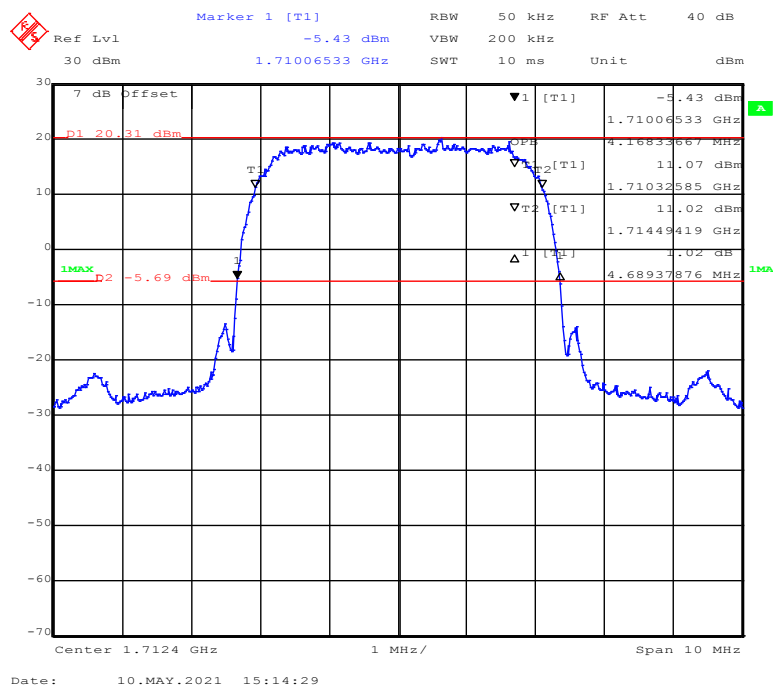
WCDMA Band IV

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Low channel



99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) Middle channel



99% Occupied & 26 dB Emissions Bandwidth for WCDMA (Rel 99) High channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSDPA) Low channel**

Delta 1 [T1]

Ref Lvl	30 dBm	Delta 1 [T1]	2.44 dB	RBW	50 kHz	RF Att	40 dB
				SWT	10 ms	Unit	dBm

Center 1.7326 GHz 1 MHz/ Span 10 MHz

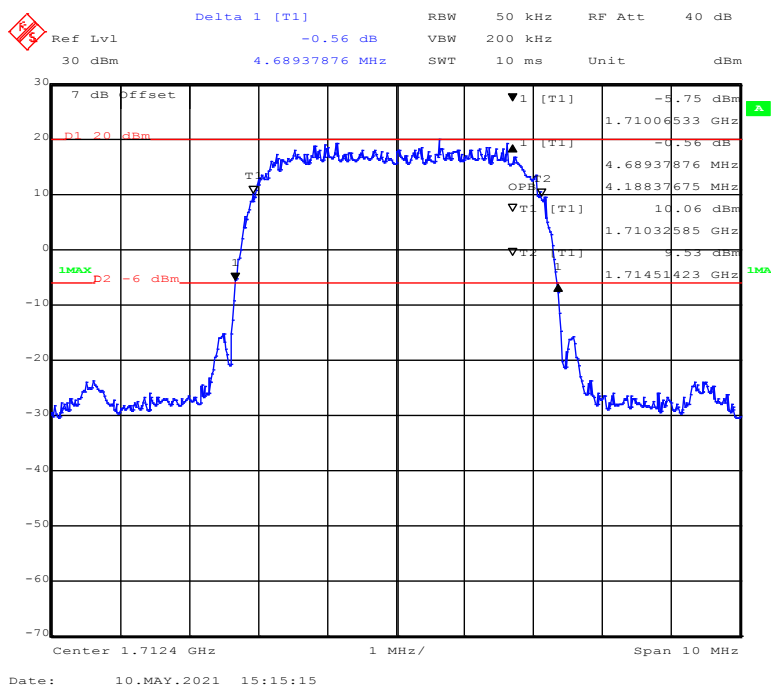
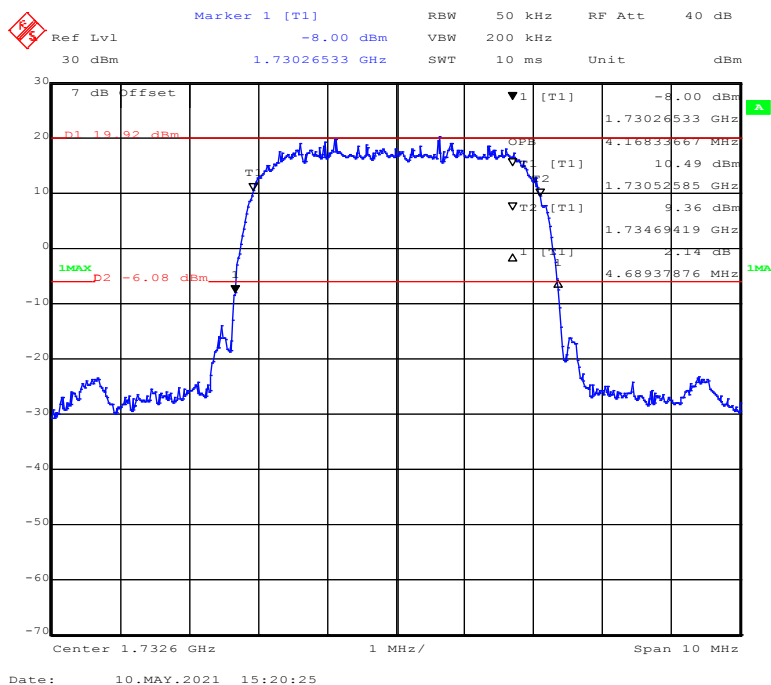
Date: 10.MAY.2021 15:19:30

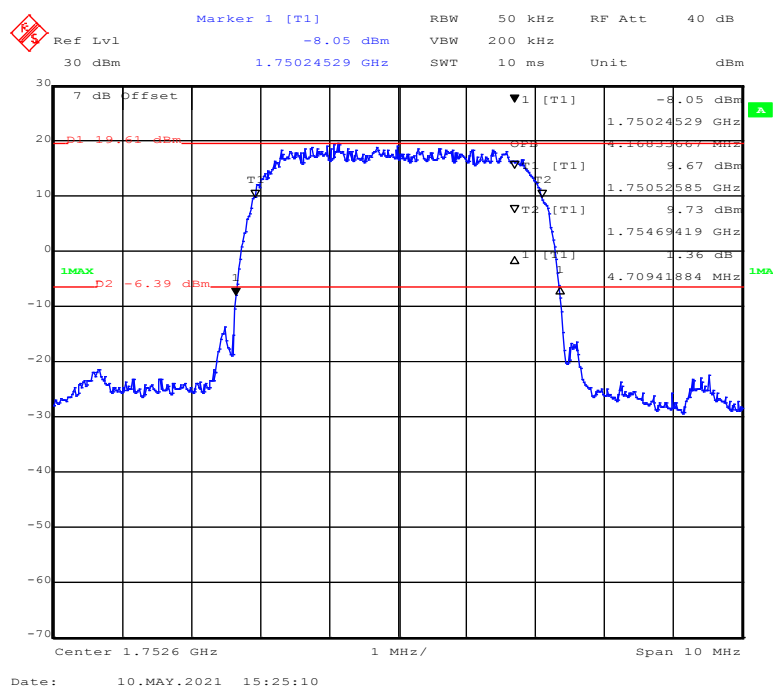
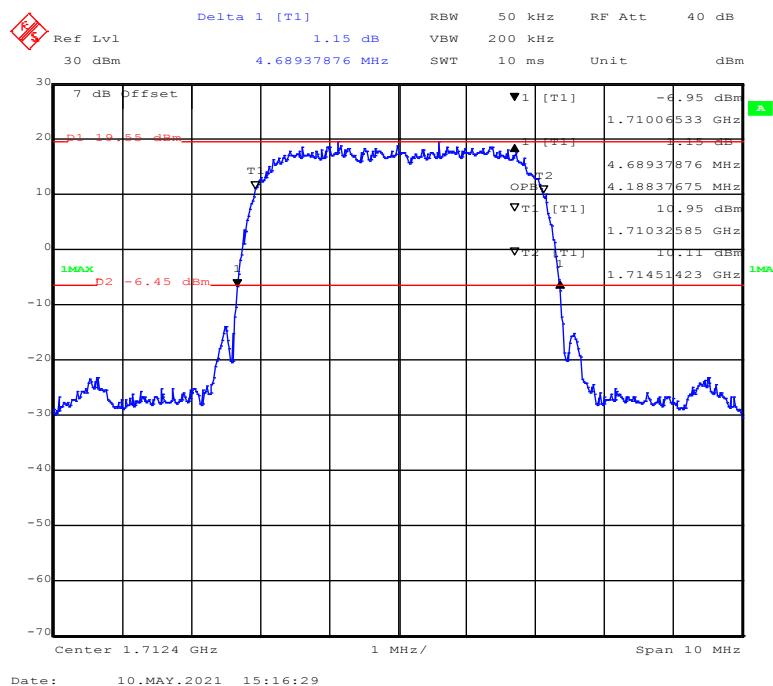
Ref Lvl 30 dBm
 Marker 1 [T1] -7.06 dBm
 RBW 50 kHz
 VBW 200 kHz
 SWT 10 ms
 RF Att 40 dB
 Unit dBm

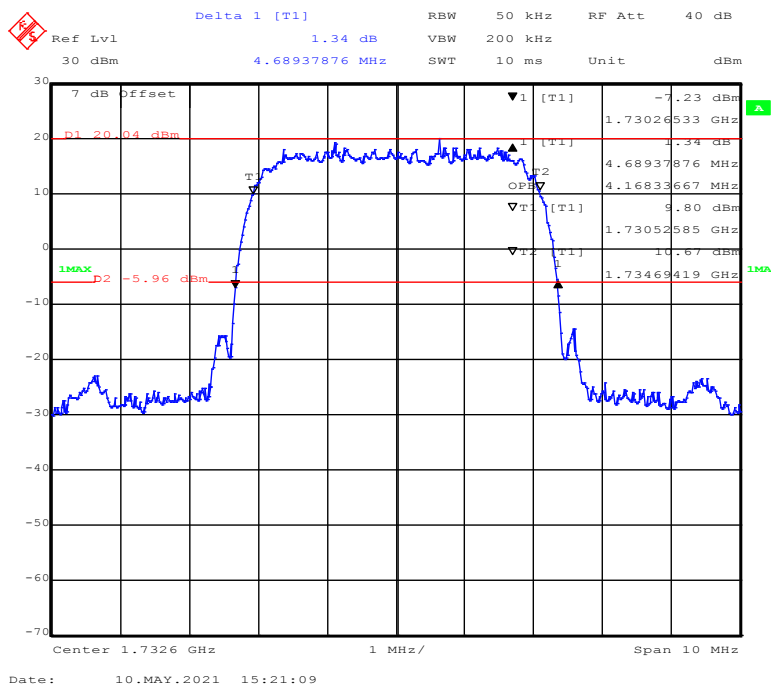
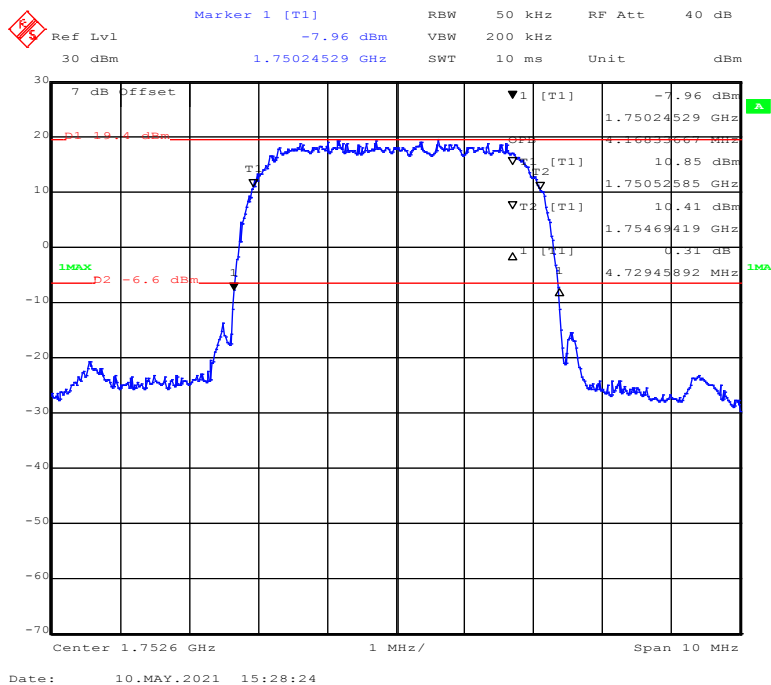
7 dB Offset
 19.95 dBm
 1.75026533 GHz
 10.40 dBm
 1.75052585 GHz
 9.64 dBm
 1.75469419 GHz
 0.42 dB
 4.68937876 MHz
 1MAX
 -6.05 dBm
 1MAX

Center 1.7526 GHz
 1 MHz/
 Span 10 MHz

Date: 10.MAY.2021 15:24:06

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Low channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) Middle channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSUPA) High channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Low channel**

99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) Middle channel**99% Occupied & 26 dB Emissions Bandwidth for WCDMA (HSPA+) High channel**

LTE Band 2:

Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	1.4M	Low	1.287	1.100
	3M		2.862	2.681
	5M		4.950	4.529
	10M		9.619	8.978
	15M		14.970	13.587
	20M		19.399	17.956
	1.4M	Middle	1.287	1.100
	3M		2.862	2.693
	5M		4.990	4.529
	10M		9.619	8.978
	15M		14.669	13.527
	20M		19.238	17.956
	1.4M	High	1.281	1.100
	3M		2.886	2.693
	5M		4.930	4.529
	10M		9.579	8.978
	15M		14.729	13.467
	20M		19.319	17.876
16-QAM	1.4M	Low	1.275	1.100
	3M		2.874	2.693
	5M		4.950	4.529
	10M		9.539	8.978
	15M		14.790	13.587
	20M		19.399	18.036
	1.4M	Middle	1.287	1.100
	3M		2.870	2.693
	5M		4.990	4.529
	10M		9.499	8.978
	15M		14.669	13.527
	20M		19.319	17.876
	1.4M	High	1.299	1.112
	3M		2.874	2.681
	5M		4.990	4.529
	10M		9.659	8.978
	15M		14.609	13.527
	20M		19.319	17.876

Delta 1 [T1] 1.68 dB

Ref Lvl 30 dBm

RBW 30 kHz

VBW 100 kHz

RF Att 40 dB

SWT 8.5 ms

Unit dBm

7 dB Offset

p1 1.28657315 MHz

p2 -6.37 dBm

1.28657315 MHz

1.85005371 GHz

1.0020040 MHz

1.85013591 GHz

1.85125611 GHz

Center 1.8507 GHz

Span 3 MHz

300 kHz/

Date: 27.APR.2021 20:50:51

Ref Lvl 30 dBm Delta 1 [T1] 1.50 dB RBW 30 kHz RF Att 40 dB

30 dBm 2.86172345 MHz SWT 17 ms Unit dBm

7 dB Offset

p1 17.89 dBm

T1

1MAX

p2 -8.11 dBm

1 [T1]

1.85007515 GHz

2.86172345 MHz

2.68136273 MHz

13.15 dBm

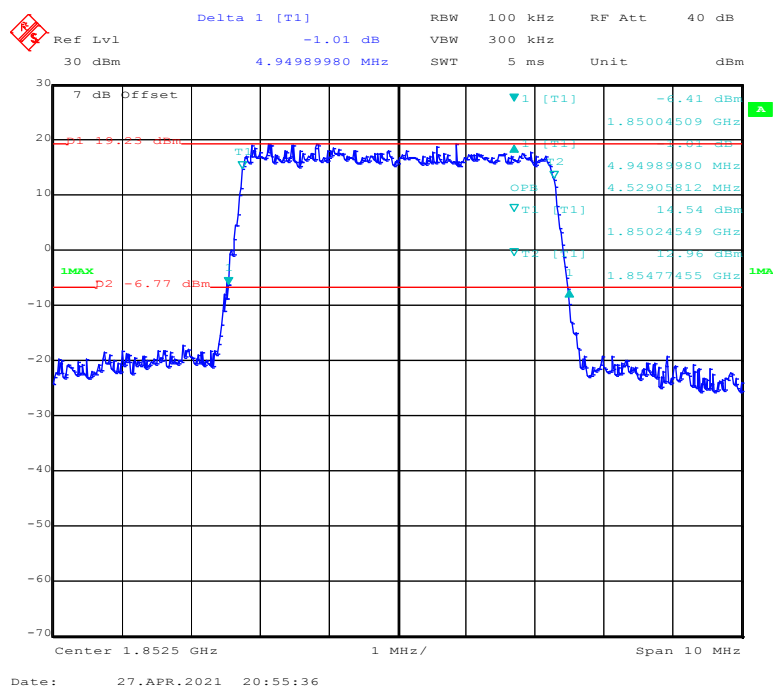
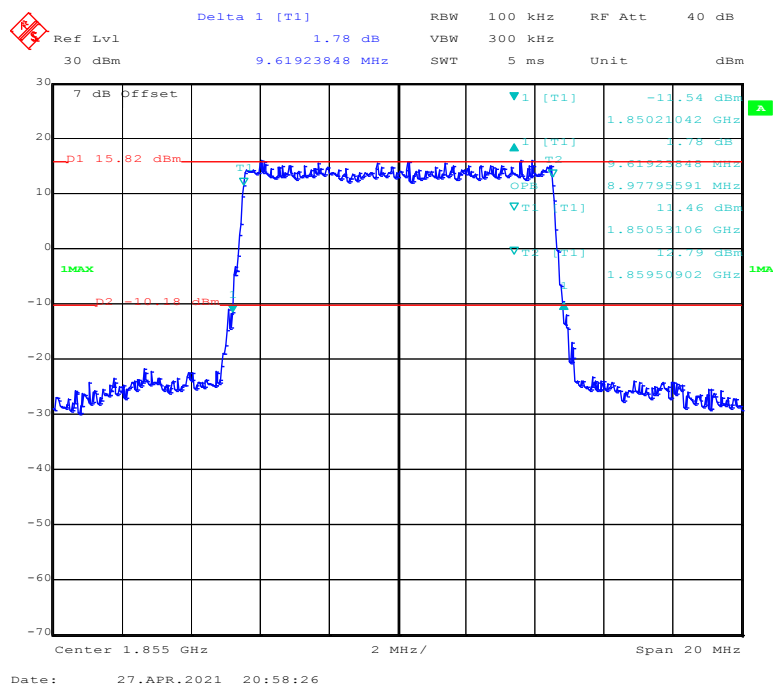
1.85017134 GHz

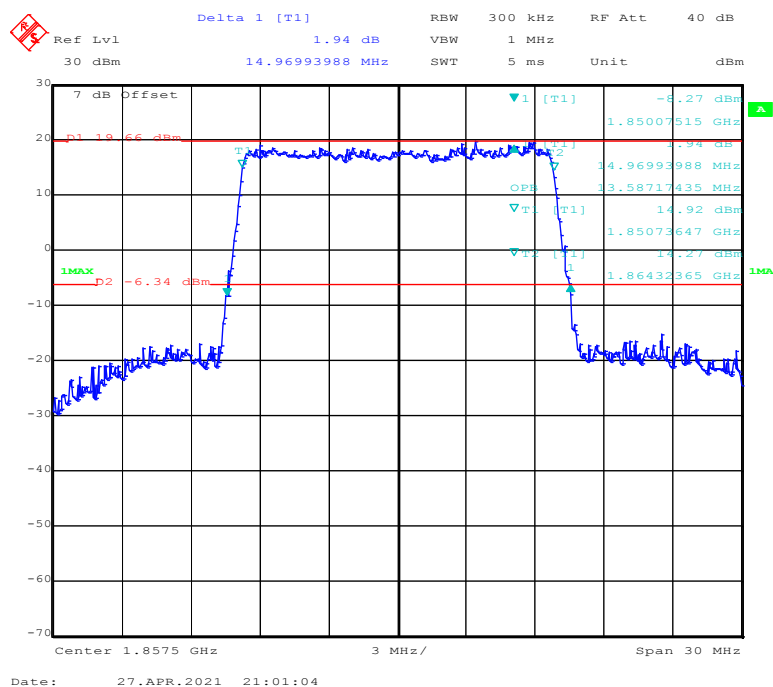
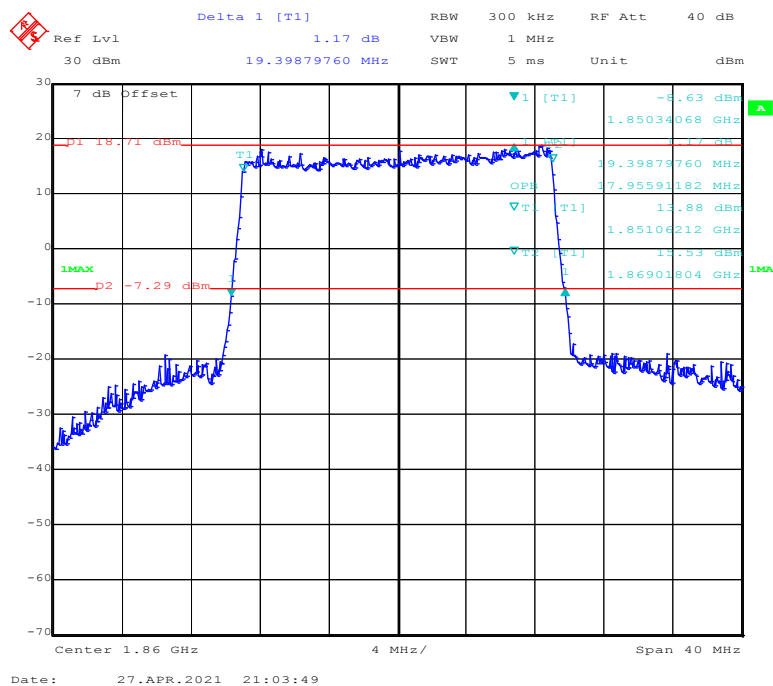
11.37 dBm

1.85289271 GHz

Center 1.8515 GHz 600 kHz/ Span 6 MHz

Date: 27.APR.2021 20:53:19

QPSK (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (10MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Ref Lvl 30 dBm 0.50 dB RBW 30 kHz RF Att 40 dB

30 dBm 1.27454910 MHz SWT 8.5 ms Unit dBm

7 dB Offset

1MAX -7.09 dBm

1MAX -18.91 dBm

1.27454910 MHz

1.85006573 GHz

1.85015591 GHz

1.85125611 GHz

Center 1.8507 GHz 300 kHz/ Span 3 MHz

Delta 1 [T1] 0.78 dB

Ref Lvl 30 dBm 2.87374749 MHz

RBW 30 kHz RF Att 40 dB

VBW 100 kHz

SWT 17 ms Unit dBm

7 dB Offset

P1 14.98 dBm

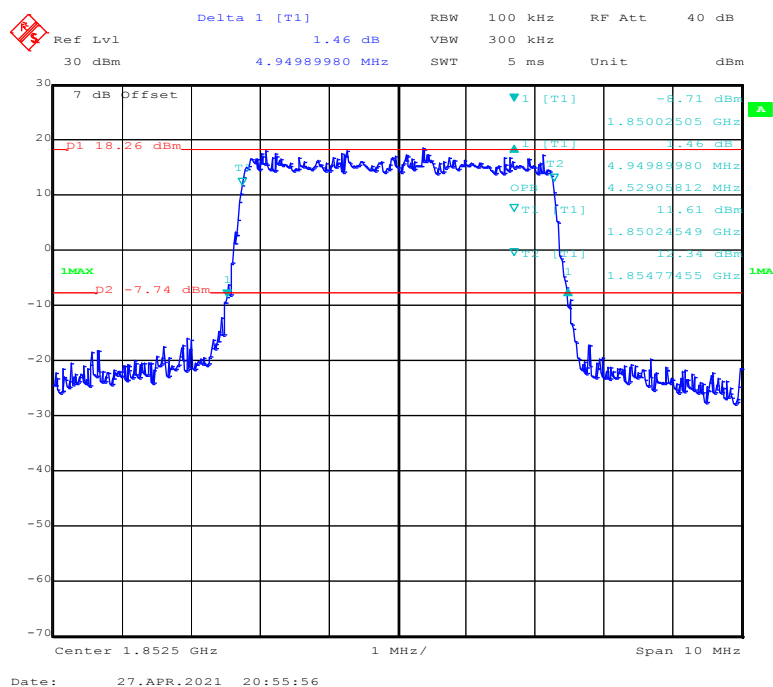
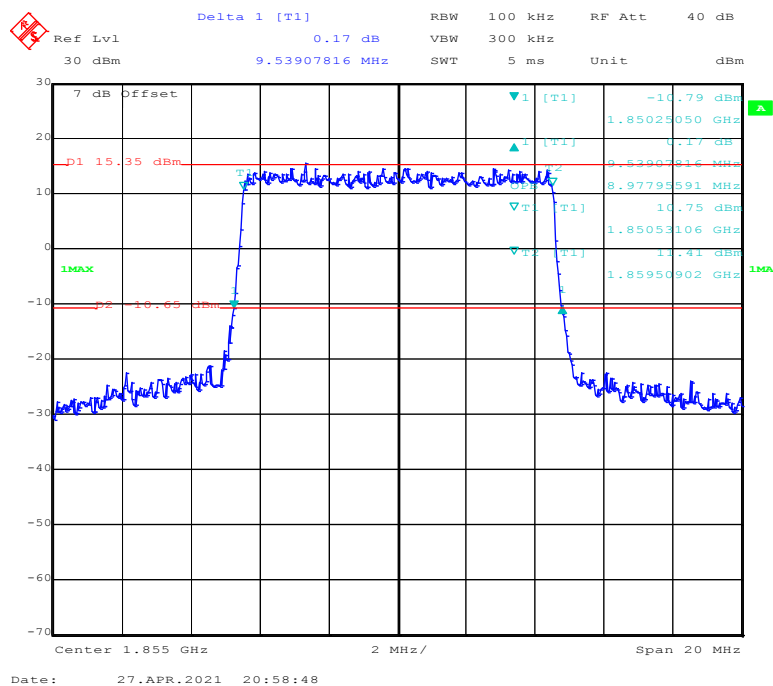
1MAX

P2 11.02 dBm

1MAX

Center 1.8515 GHz 600 kHz/ Span 6 MHz

Date: 27.APR.2021 20:53:43

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Delta 1 [T1] -0.53 dB

Ref Lvl 30 dBm

RBW 300 kHz RF Att 40 dB

SWT 5 ms Unit dBm

7 dB Offset

1MAX

p1 -18.79 dBm

p2 -7.21 dBm

▼1 [T1] -7.20 dBm

1.85013527 GHz

14.78957916 MHz

13.87 dBm

1.85073647 GHz

13.50 dBm

1.86432365 GHz

Center 1.8575 GHz

3 MHz/

Span 30 MHz

Date: 27.APR.2021 21:01:35

Delta 1 [T1]

Ref Lvl -2.16 dB

30 dBm

19.39879760 MHz

RBW 300 kHz

VBW 1 MHz

SWT 5 ms

RF Att 40 dB

Unit dBm

7 dB Offset

p1 18.08 dBm

1MAX

p2 -7.92 dBm

▼1 [T1] -2.35 dBm

1.85034068 GHz

1.8503607214 MHz

1.85106212 GHz

1.86909820 GHz

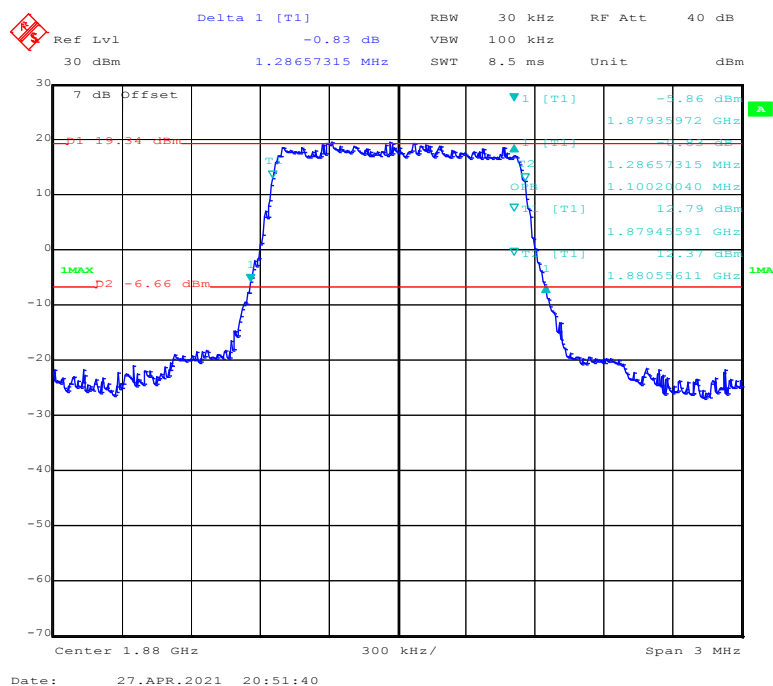
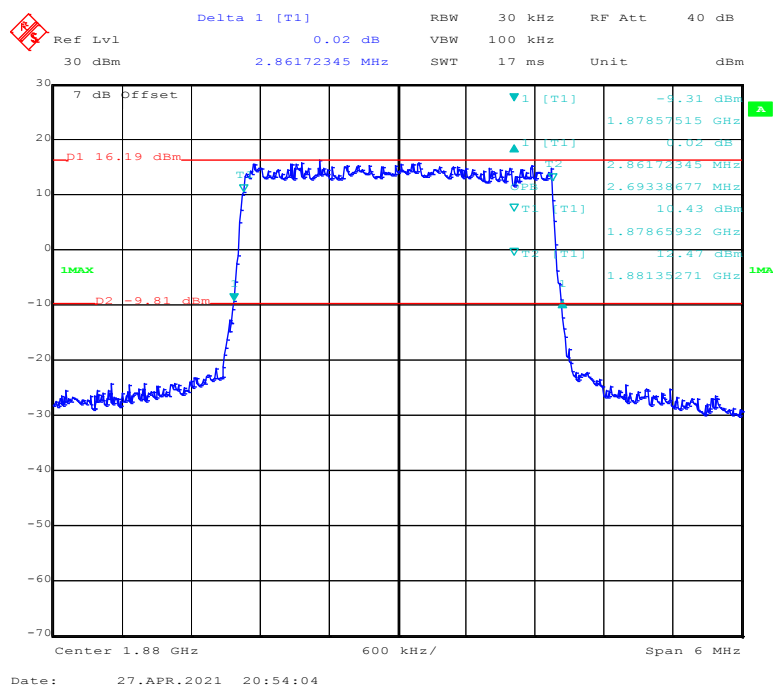
1MAX

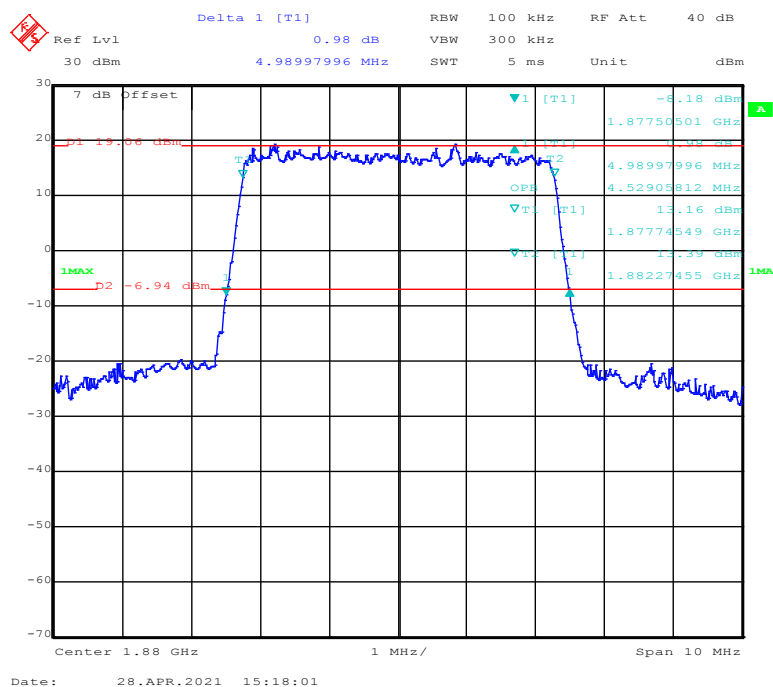
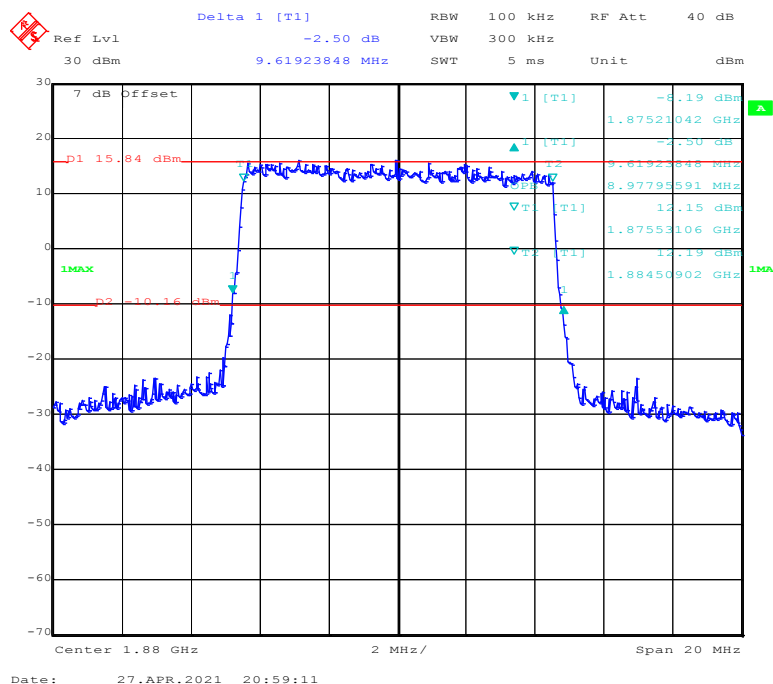
Center 1.86 GHz

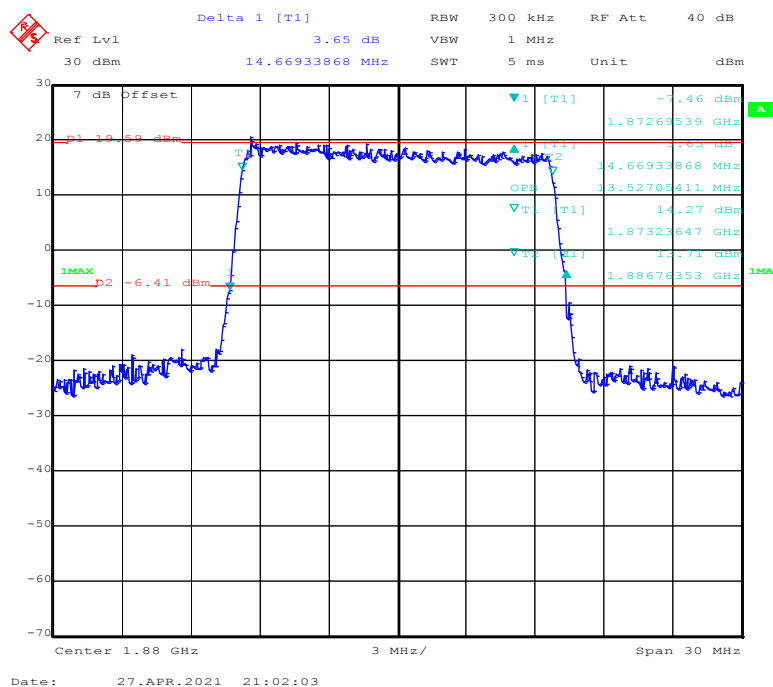
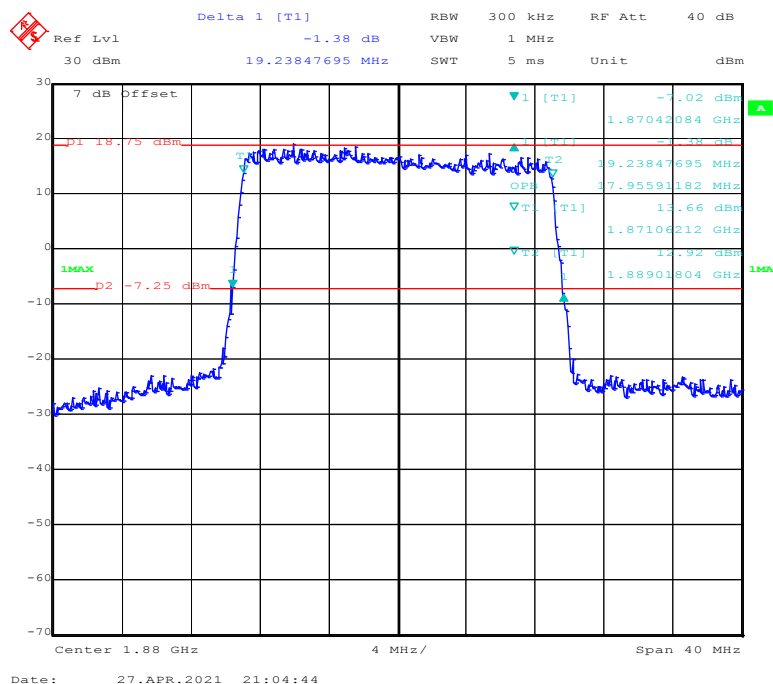
4 MHz/

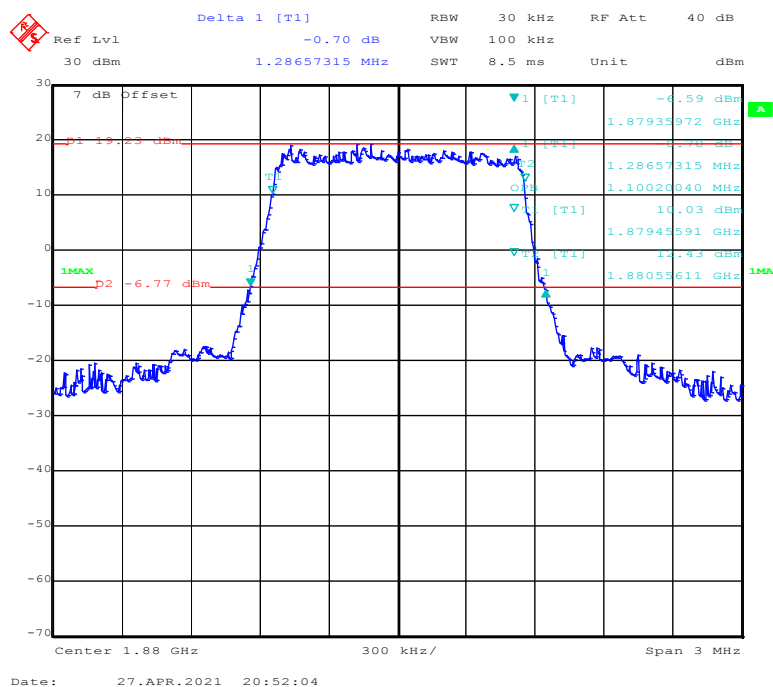
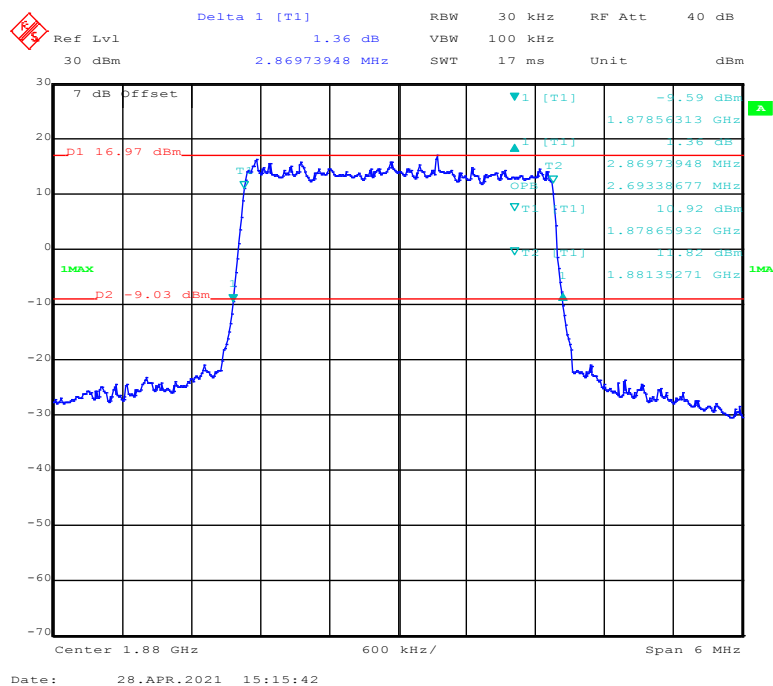
Span 40 MHz

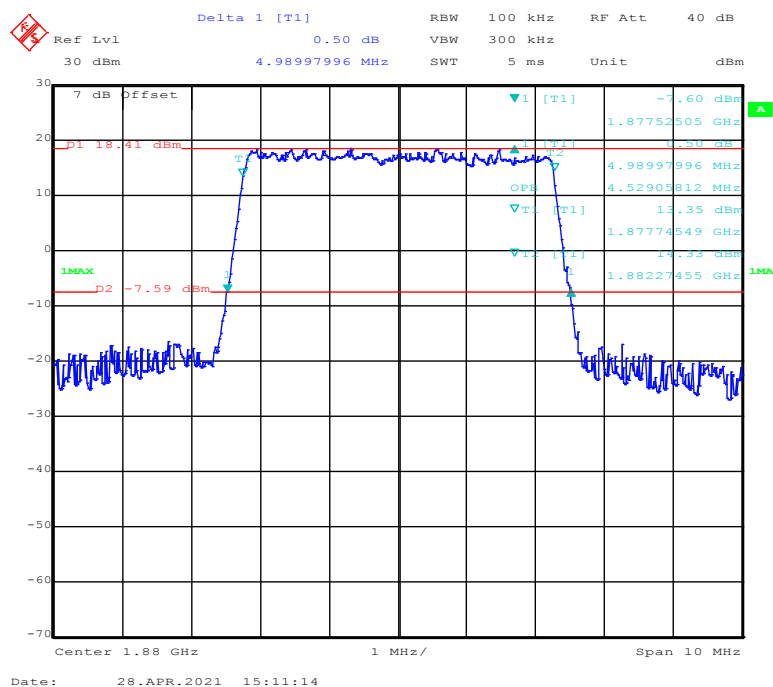
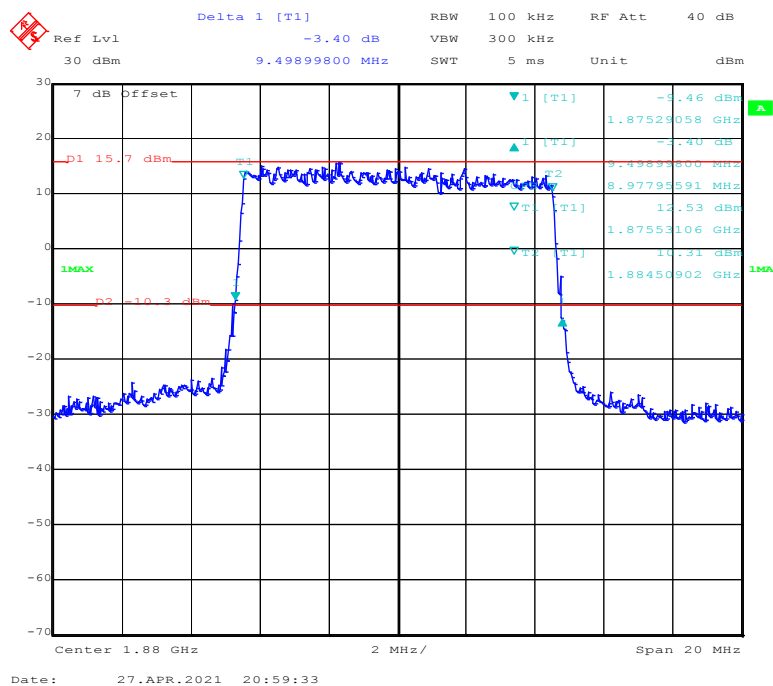
Date: 27.APR.2021 21:04:17

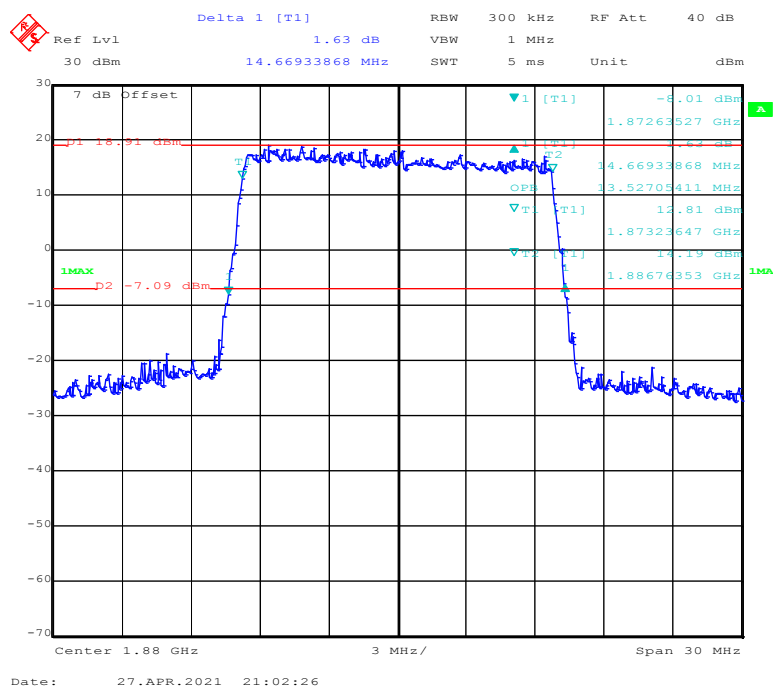
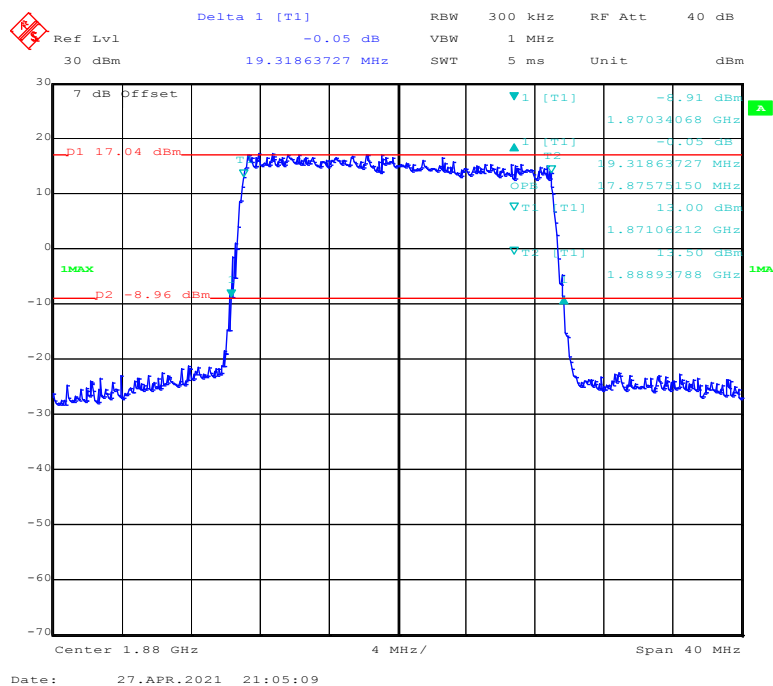
QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (10MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Ref Lvl 30 dBm Delta 1 [T1] 0.08 dB RBW 30 kHz RF Att 40 dB

30 dBm 1.28056112 MHz SWT 8.5 ms Unit dBm

7 dB Offset

pl 19.74 dBm

1MAX -6.26 dBm

1 [T1] 1.90866573 GHz

1 [T1] 1.28056112 MHz

1 [T1] 1.10020040 MHz

1 [T1] 1.90875591 GHz

1 [T1] 1.90985611 GHz

Center 1.9093 GHz 300 kHz/ Span 3 MHz

Date: 27.APR.2021 20:52:28

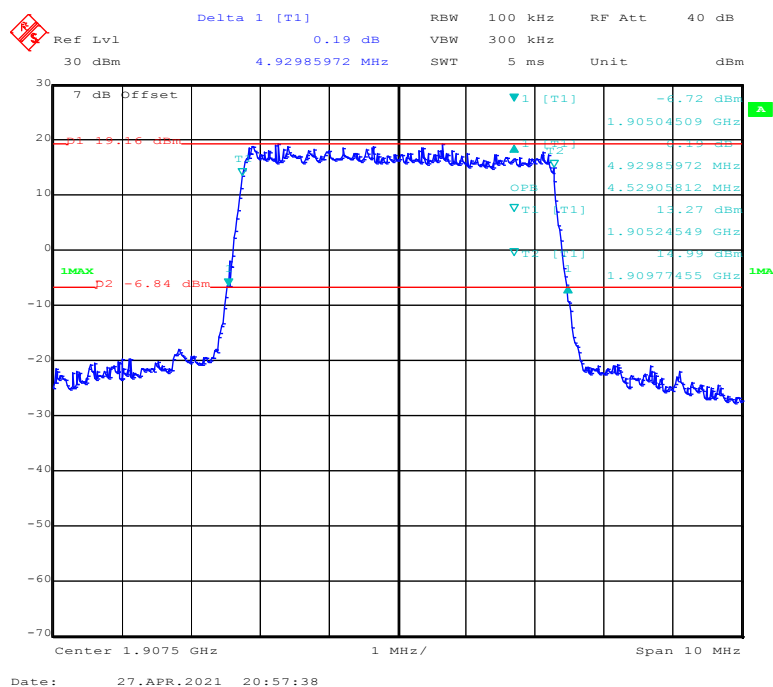
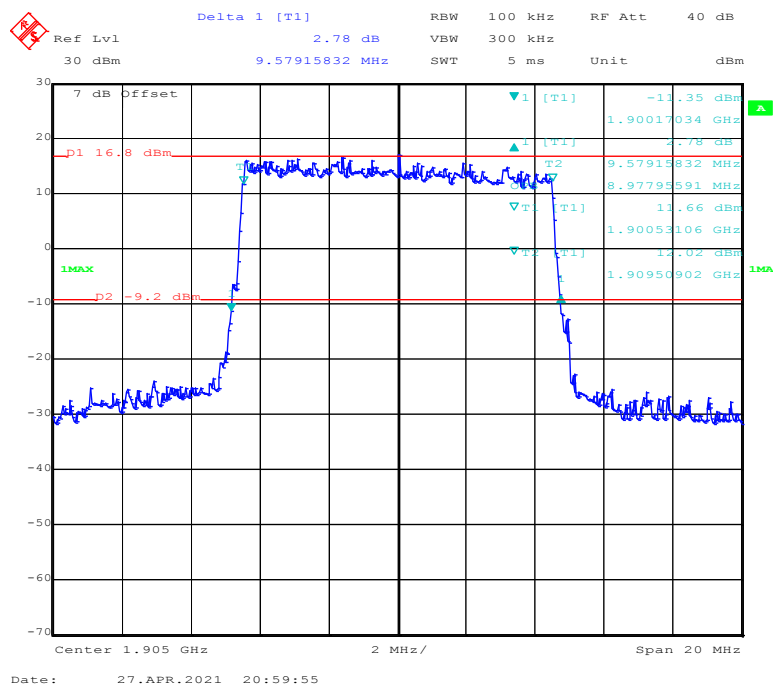
Delta 1 [T1] -0.21 dB
 Ref Lvl 30 dBm
 RBW 30 kHz
 RF Att 40 dB
 VBW 100 kHz
 SWT 17 ms
 Unit dBm

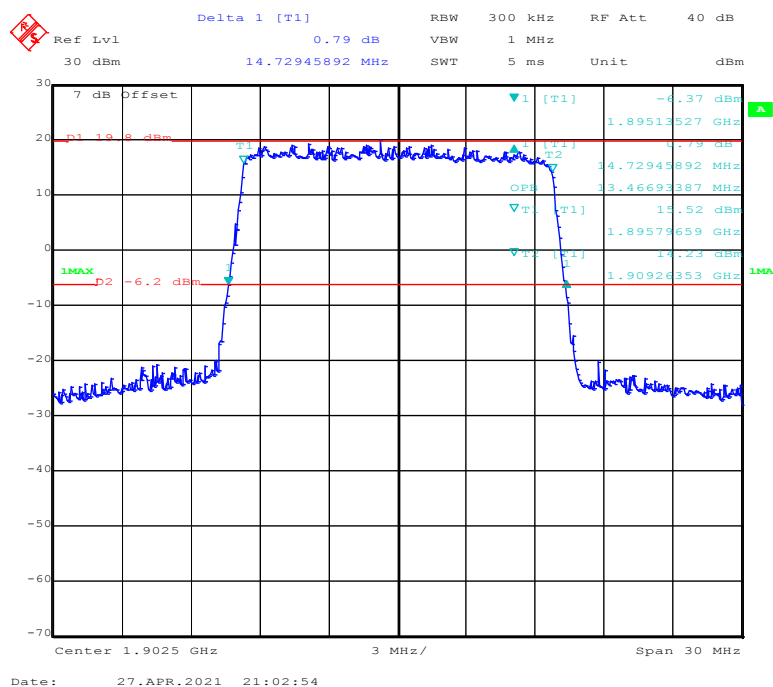
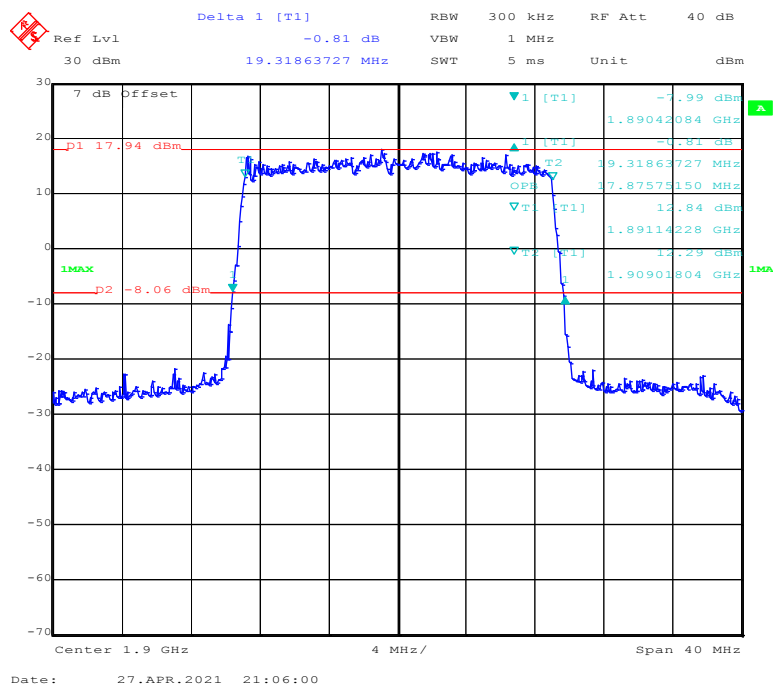
7 dB Offset
 P1 15.73 dBm
 P2 10.27 dBm
 1MAX

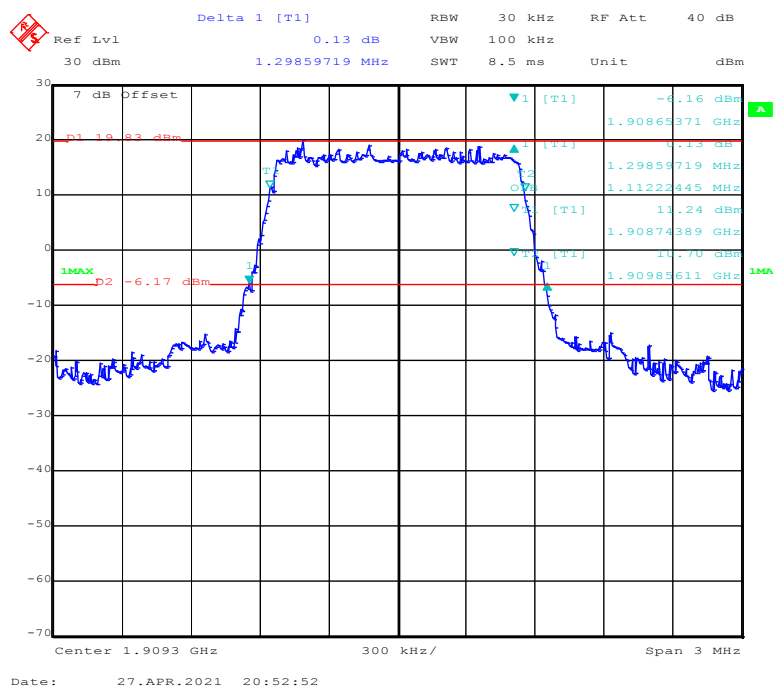
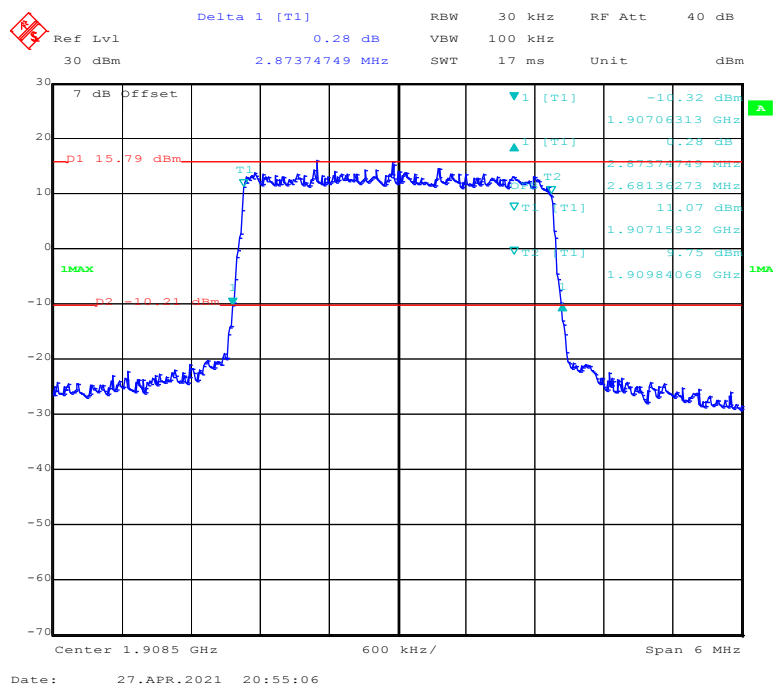
T1 [T1] 1.90706313 GHz
 T2 [T1] 2.88577154 MHz
 T3 [T1] 2.69338677 MHz
 T4 [T1] 13.39 dBm
 T5 [T1] 1.90715932 GHz
 T6 [T1] 13.09 dBm
 T7 [T1] 1.90985271 GHz

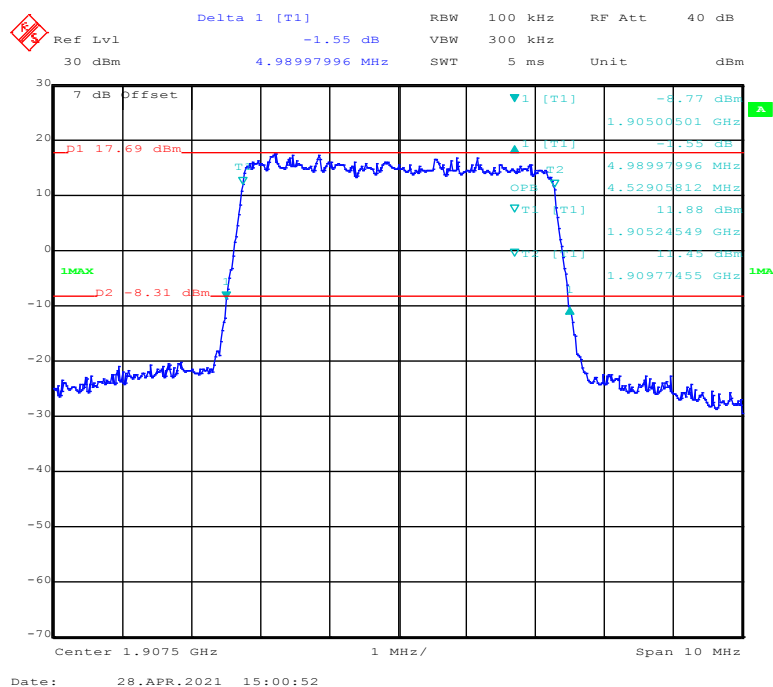
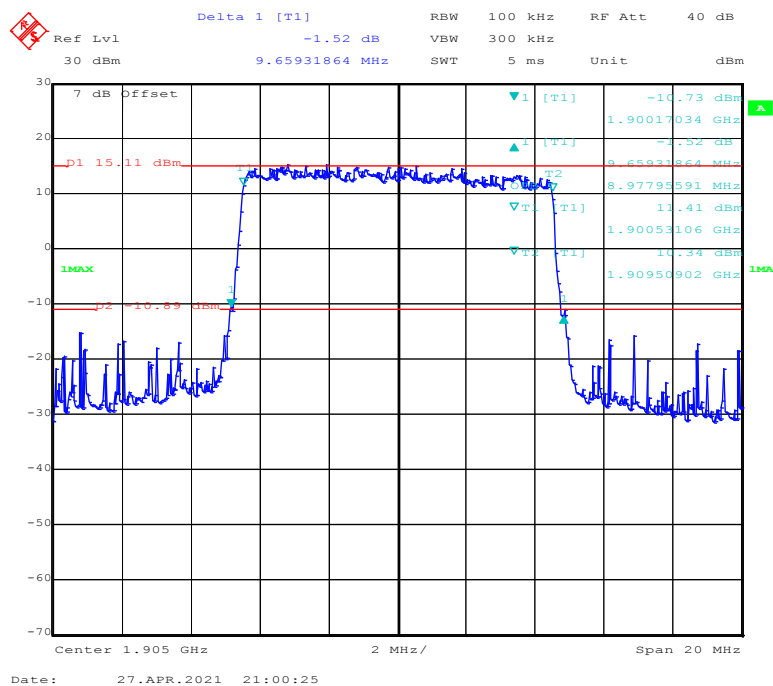
Center 1.9085 GHz
 600 kHz/
 Span 6 MHz

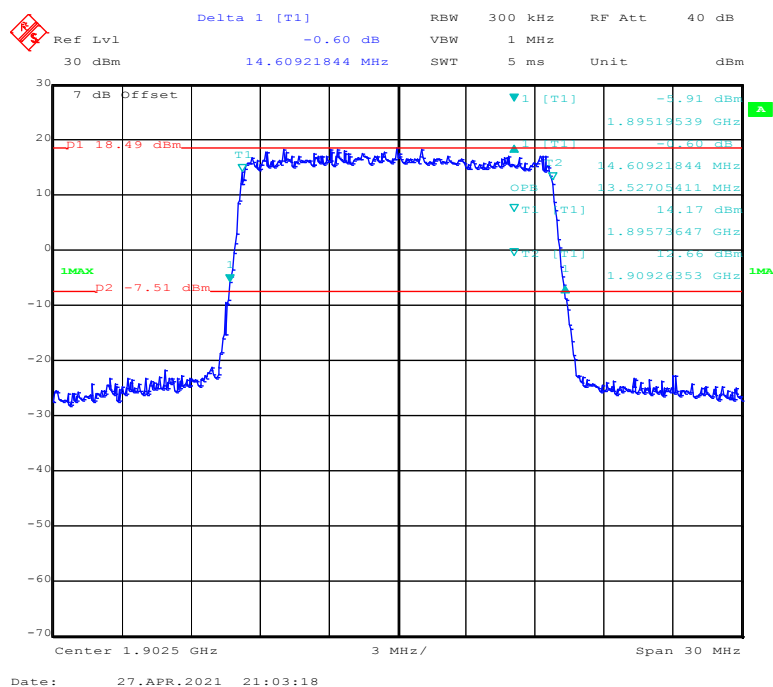
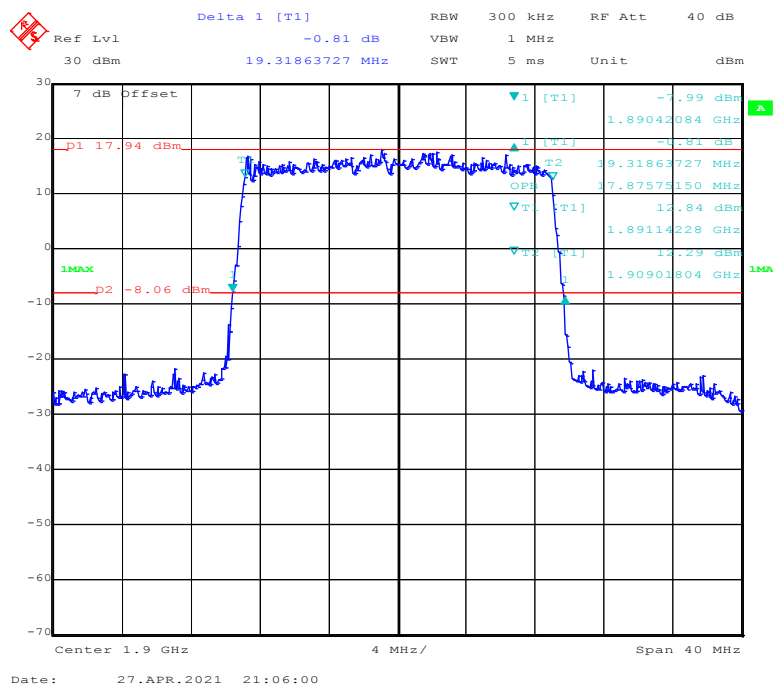
Date: 27.APR.2021 20:54:46

QPSK (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (10MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

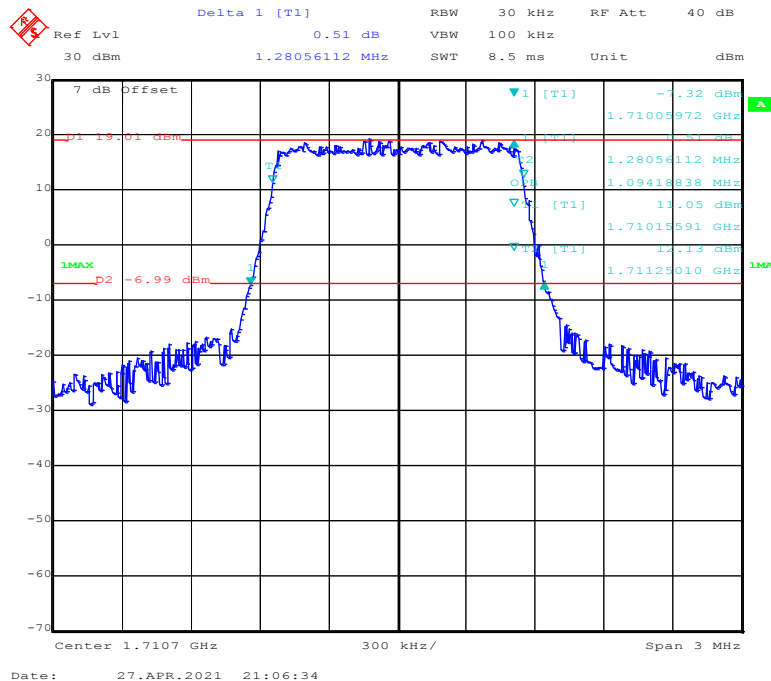
16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

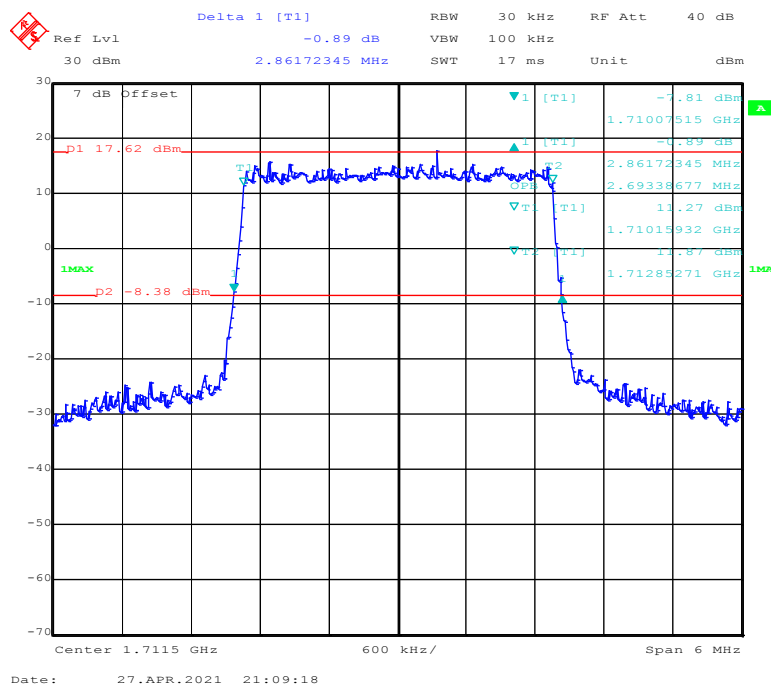
LTE Band 4:

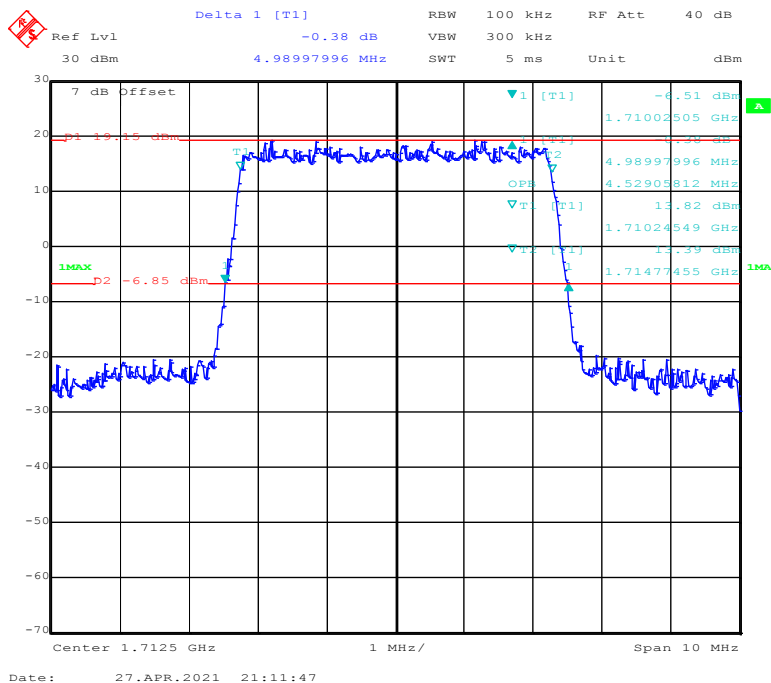
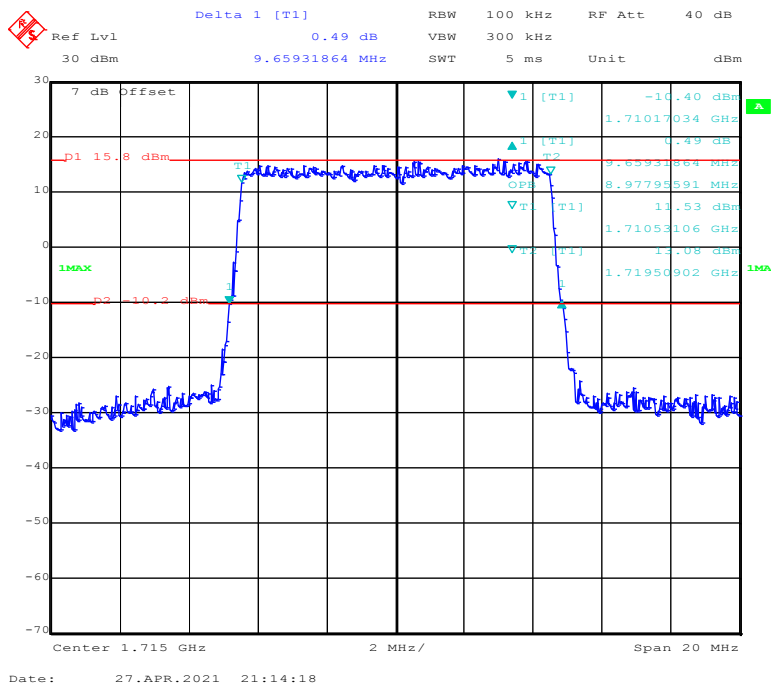
Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	1.4M	Low	1.281	1.094
	3M		2.862	2.693
	5M		4.990	4.529
	10M		9.659	8.978
	15M		14.669	13.587
	20M		19.319	17.956
	1.4M	Middle	1.305	1.100
	3M		2.874	2.693
	5M		4.950	4.509
	10M		9.539	8.978
	15M		14.609	13.467
	20M		19.238	17.956
	1.4M	High	1.287	1.100
	3M		2.874	2.693
	5M		4.930	4.509
	10M		9.579	8.978
	15M		14.79	13.527
	20M		19.238	17.956
16-QAM	1.4M	Low	1.323	1.106
	3M		2.886	2.681
	5M		4.890	4.509
	10M		9.539	8.938
	15M		14.790	13.467
	20M		19.479	18.036
	1.4M	Middle	1.299	1.100
	3M		2.874	2.693
	5M		4.970	4.509
	10M		9.579	8.978
	15M		14.729	13.467
	20M		19.319	17.956
	1.4M	High	1.287	1.094
	3M		2.874	2.681
	5M		5.010	4.509
	10M		9.699	8.978
	15M		14.850	13.527
	20M		19.399	17.956

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

[illegible]

Delta 1 [T1] RBW 300 kHz RF Att 40 dB

Ref Lvl -1.42 dB VBW 1 MHz

30 dBm 19.31863727 MHz SWT 5 ms Unit dBm

7 dB Offset

p1 17.85 dBm

1MAX

p2 -8.15 dBm

▼1 [T1] -8.30 dBm 1.71042084 GHz

▲1 [T1] -1.42 dB 19.31863727 MHz

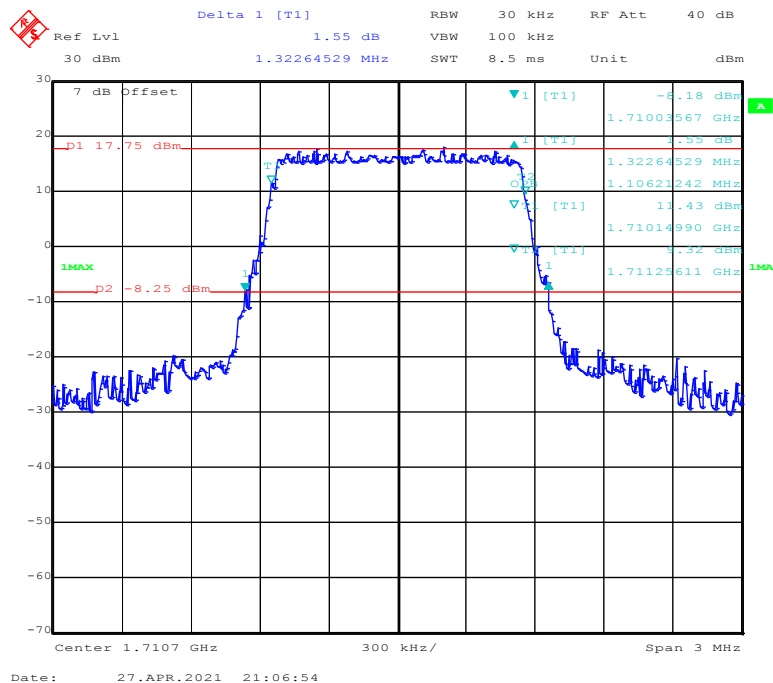
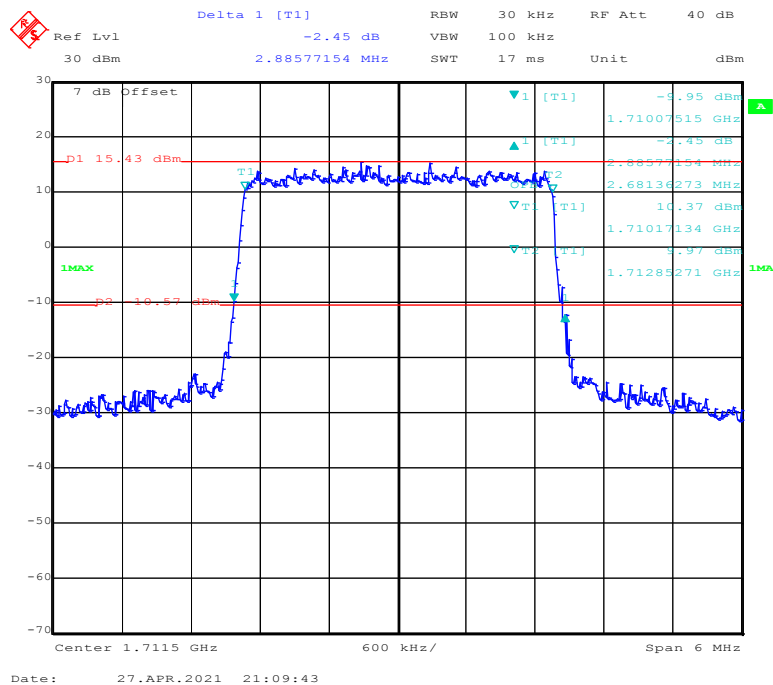
OPB 17.95591182 MHz

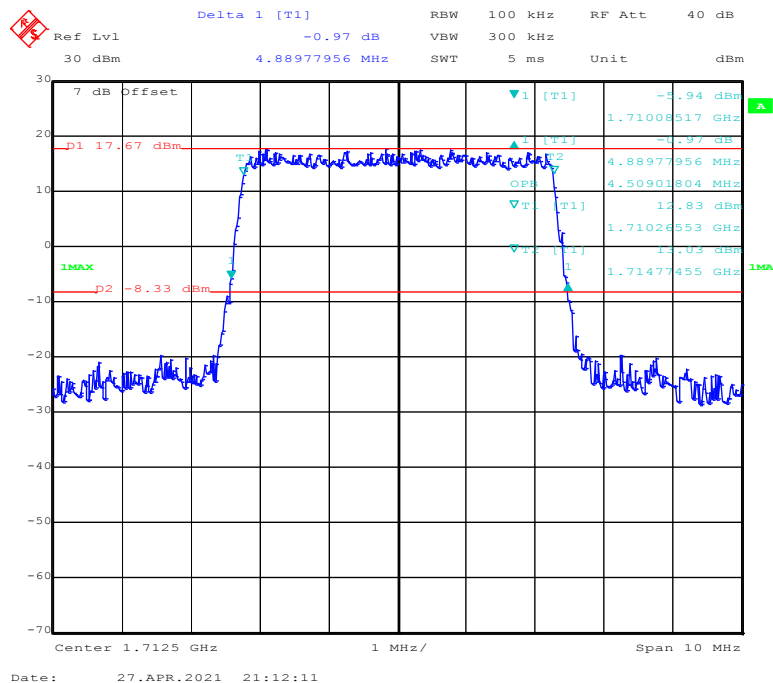
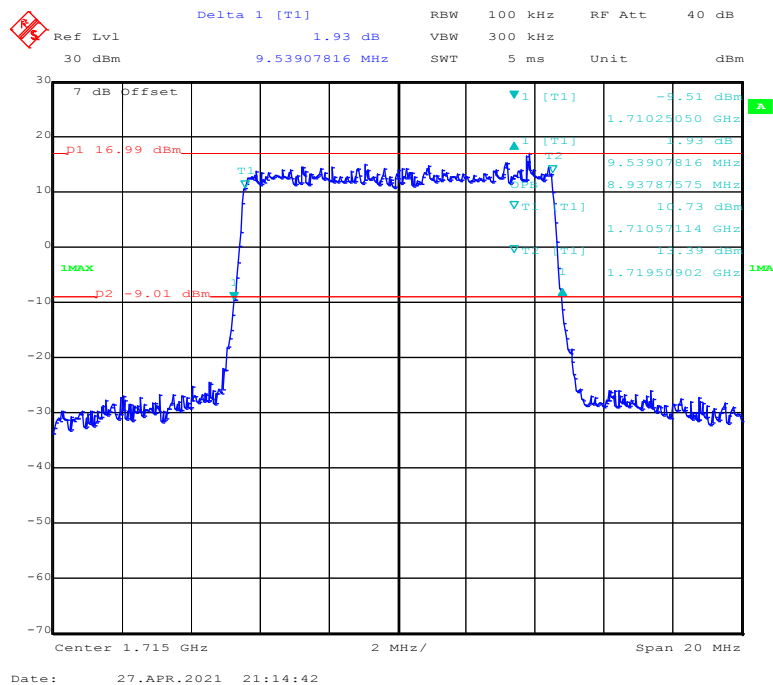
▼T1 [T1] 14.15 dBm 1.71106212 GHz

▼T2 [T1] 13.10 dBm 1.72901804 GHz

Center 1.72 GHz 4 MHz/ Span 40 MHz

Date: 27.APR.2021 21:19:59

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Delta 1 [T1] 1.18 dB

Ref Lvl 30 dBm

RBW 300 kHz

RF Att 40 dB

VBW 1 MHz

SWT 5 ms

Unit dBm

7 dB Offset

p1 18.46 dBm

p2 -7.54 dBm

1MAX

1.71013527 GHz

1.718957916 MHz

1.72426353 GHz

1.72426353 GHz

Center 1.7175 GHz

3 MHz/

Span 30 MHz

Date: 27.APR.2021 21:17:27

Delta 1 [T1]

Ref Lvl 30 dBm

1.11 dB

VBW 1 MHz

SWT 5 ms

Unit dBm

7 dB Offset

p1 17.04 dBm

p2 -8.96 dBm

1MAX

1MA

▼1 [T1]

▲1 [T1]

OPB

▼T1 [T1]

▼T2 [T1]

-10.27 dBm

1.71026052 GHz

1.11 dB

19.47895792 MHz

18.03607214 MHz

11.08 dBm

1.71106212 GHz

14.52 dBm

1.72909820 GHz

Center 1.72 GHz

4 MHz/

Span 40 MHz

Date: 27.APR.2021 21:20:25

Ref Lvl 30 dBm
 30 dBm
 1.30460922 MHz
 -0.60 dB
 RBW 30 kHz
 100 kHz
 SWT 8.5 ms
 Unit dBm
 7 dB Offset
 19.2 dBm
 -6.14 dBm
 1.73185972 GHz
 1.30460922 MHz
 1.10020040 MHz
 11.60 dBm
 1.73195591 GHz
 10.39 dBm
 1.73305611 GHz
 1MAX
 P2 -6.8 dBm
 Center 1.7325 GHz
 300 kHz/
 Span 3 MHz
 Date: 27.APR.2021 21:07:32

Delta 1 [T1]

Ref Lvl 1.89 dB

30 dBm 2.87374749 MHz

RBW 30 kHz

SWT 17 ms

RF Att 40 dB

Unit dBm

7 dB Offset

p1 15.35 dBm

1MAX

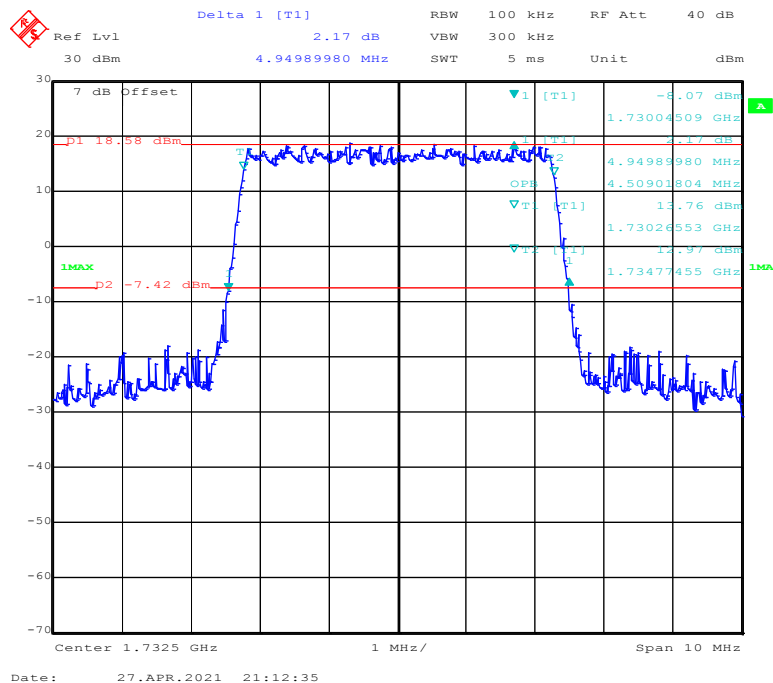
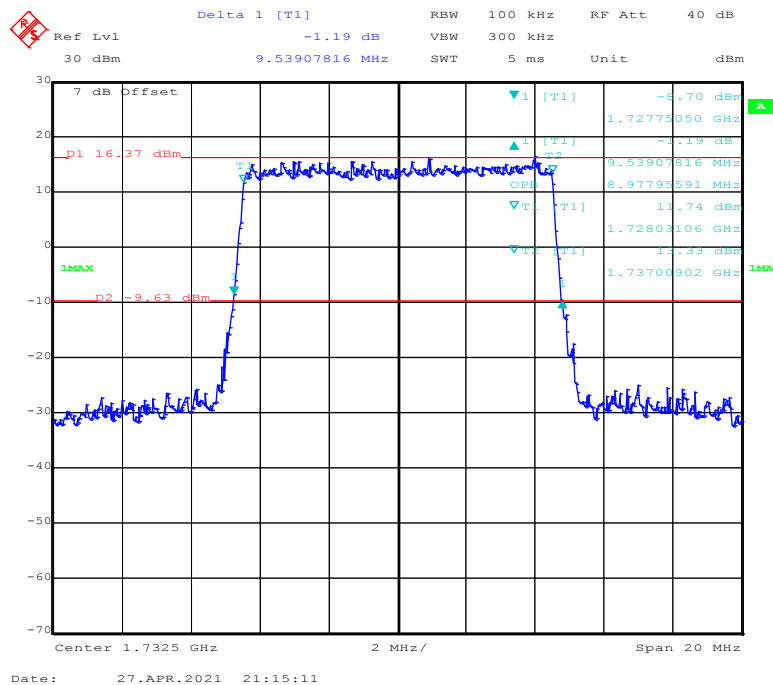
p2 10.69 dBm

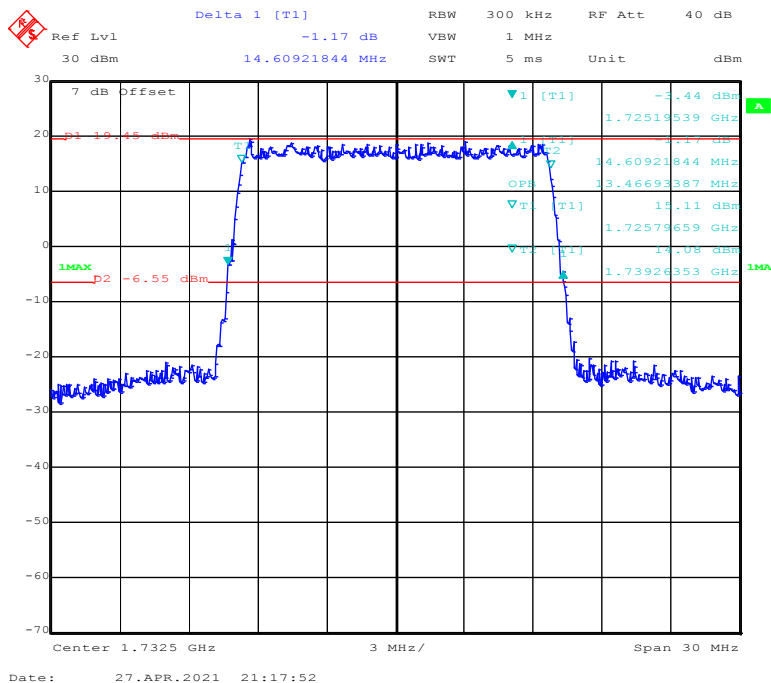
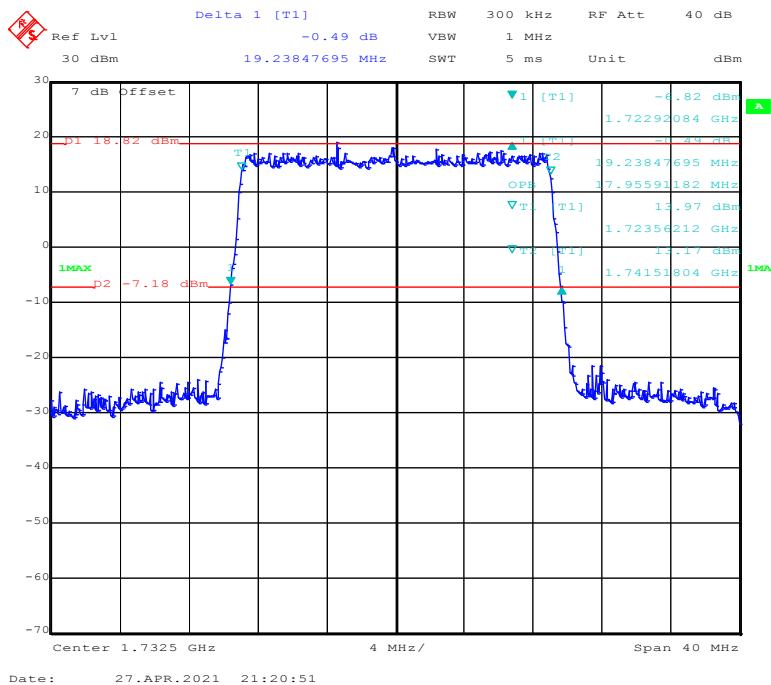
Center 1.7325 GHz

600 kHz/

Span 6 MHz

Date: 27.APR.2021 21:10:07

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Delta 1 [T1]

Ref Lvl -0.44 dB RBW 30 kHz RF Att 40 dB

30 dBm 1.29859719 MHz SWT 8.5 ms Unit dBm

7 dB Offset

p1 17.91 dBm

1MAX

D2 -8.09 dBm

1MAX

Center 1.7325 GHz 300 kHz/ Span 3 MHz

Date: 27.APR.2021 21:08:02

Delta 1 [T1]

Ref Lvl 30 dBm

Delta 1 [T1] 1.60 dB

VBW 100 kHz

SWT 17 ms

RF Att 40 dB

Unit dBm

7 dB Offset

14.38 dBm

11.36 dBm

1.60 dB

2.87374749 MHz

2.69338677 MHz

5.53 dBm

1.73115932 GHz

10.73 dBm

1.73385271 GHz

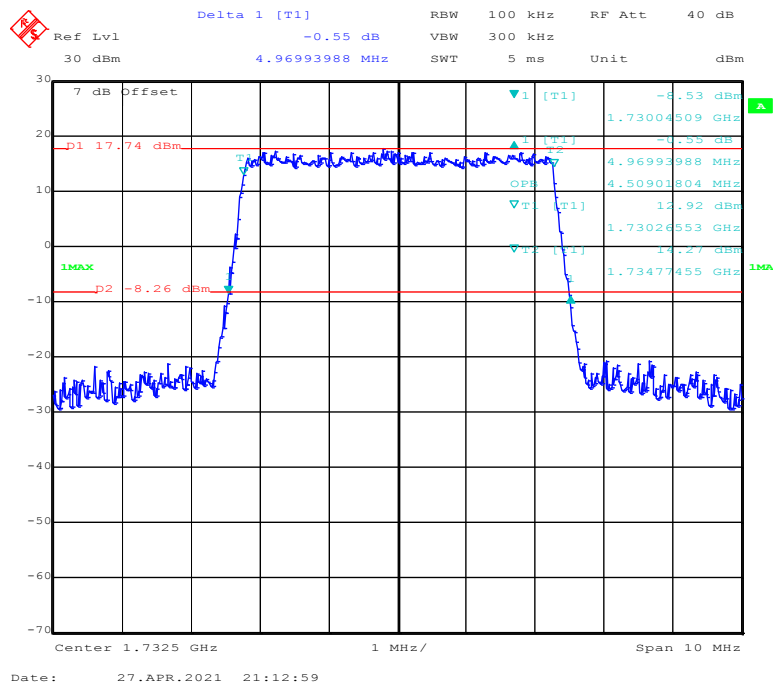
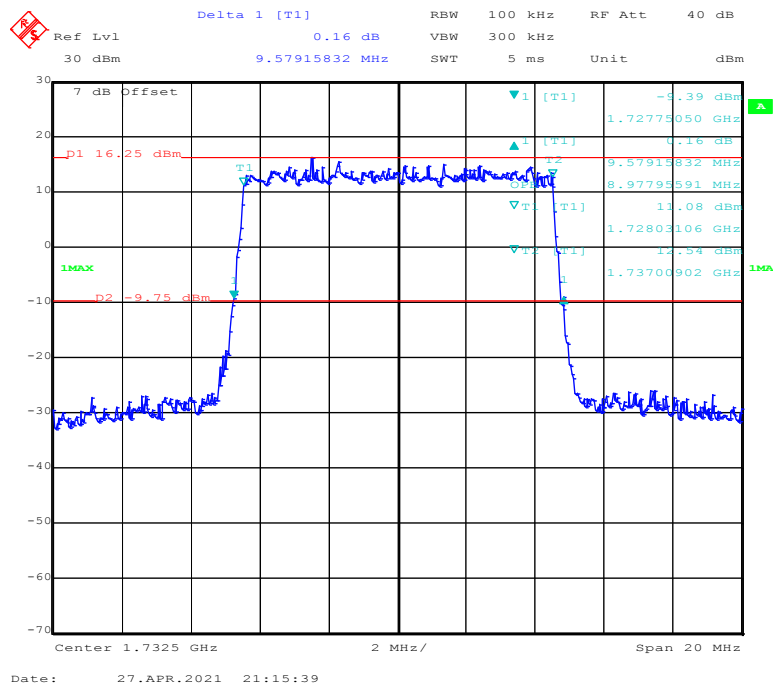
1MAX

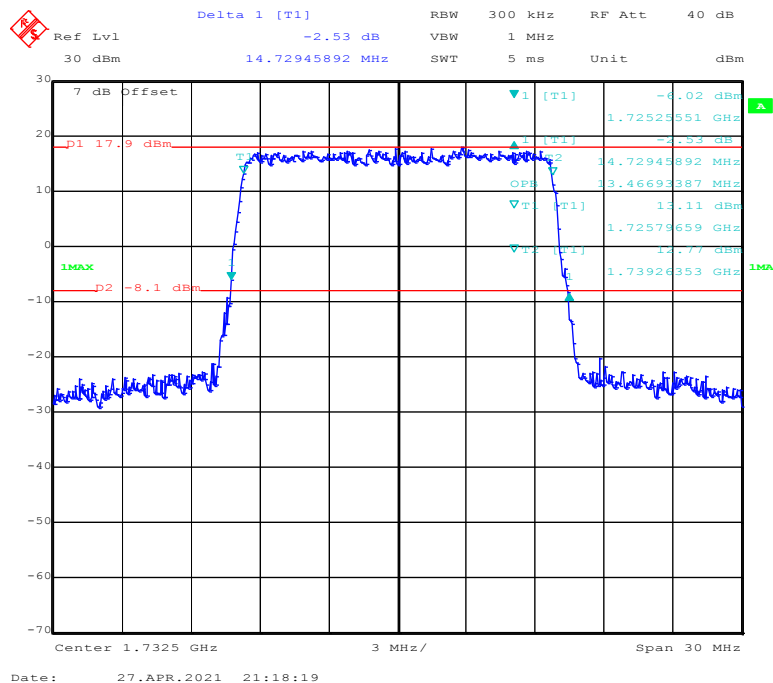
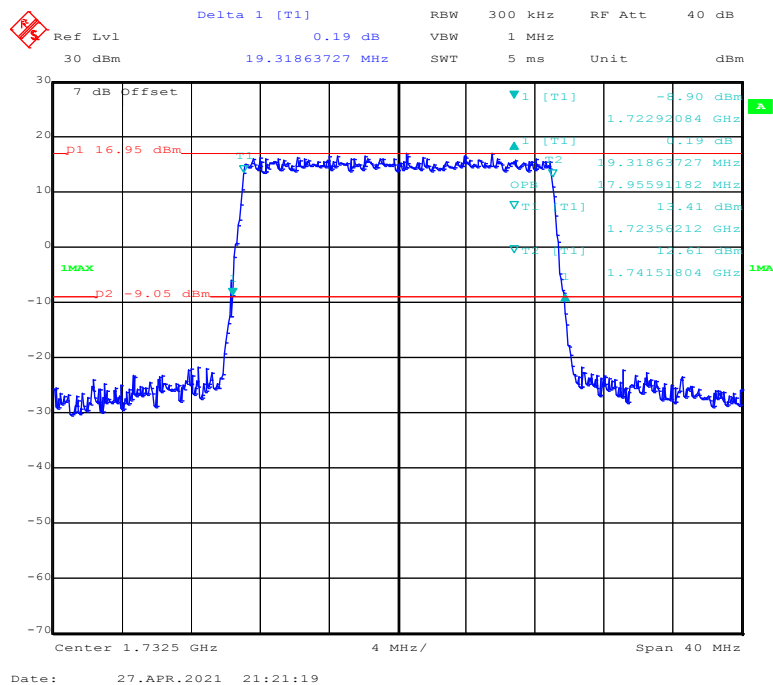
Center 1.7325 GHz

600 kHz/

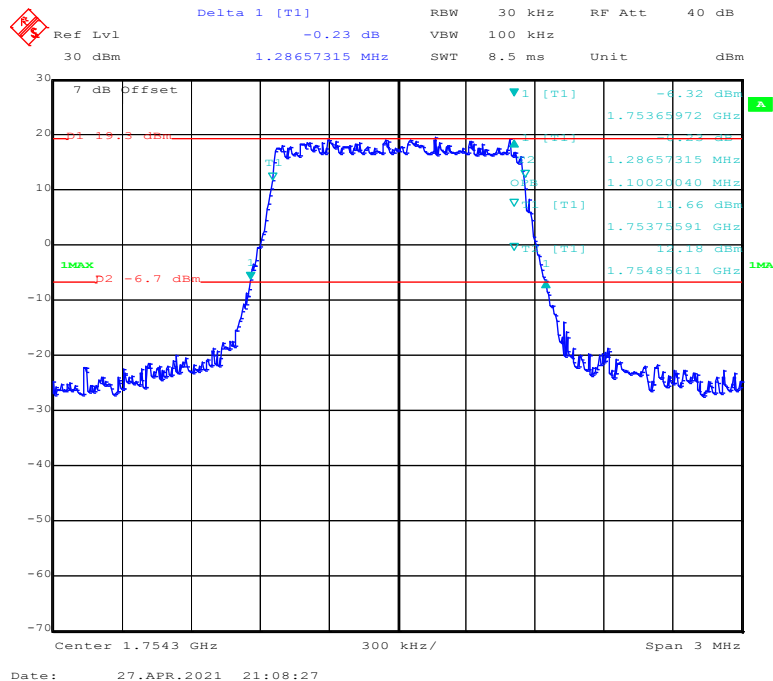
Span 6 MHz

Date: 27.APR.2021 21:10:27

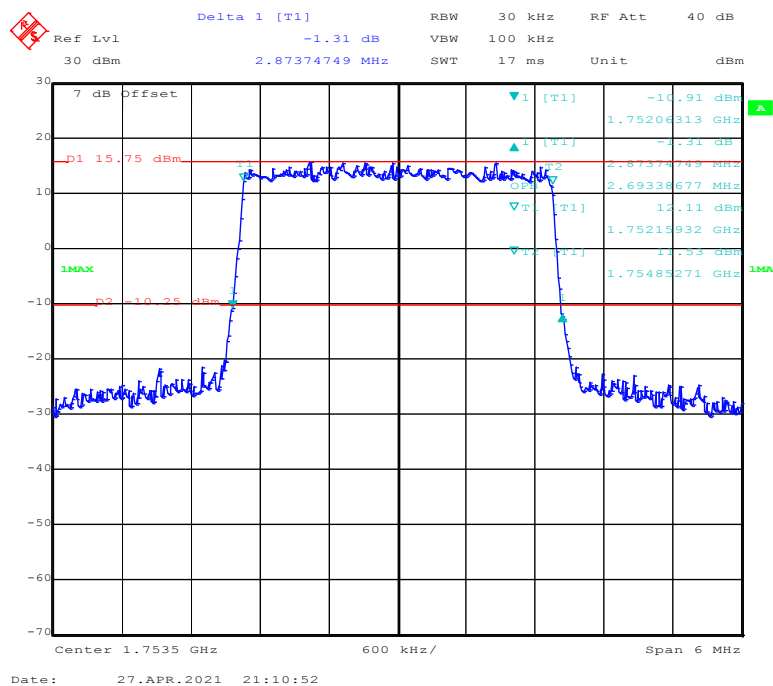
16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

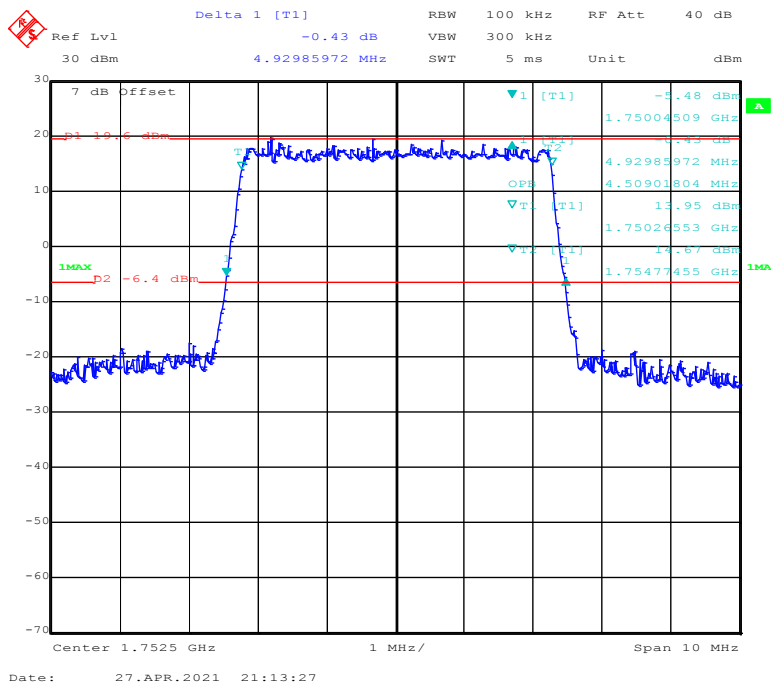
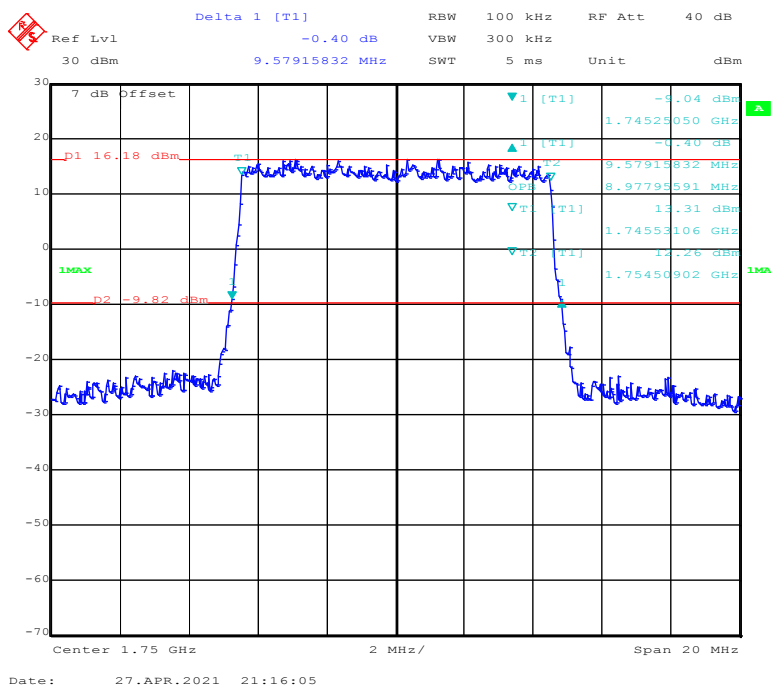
16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

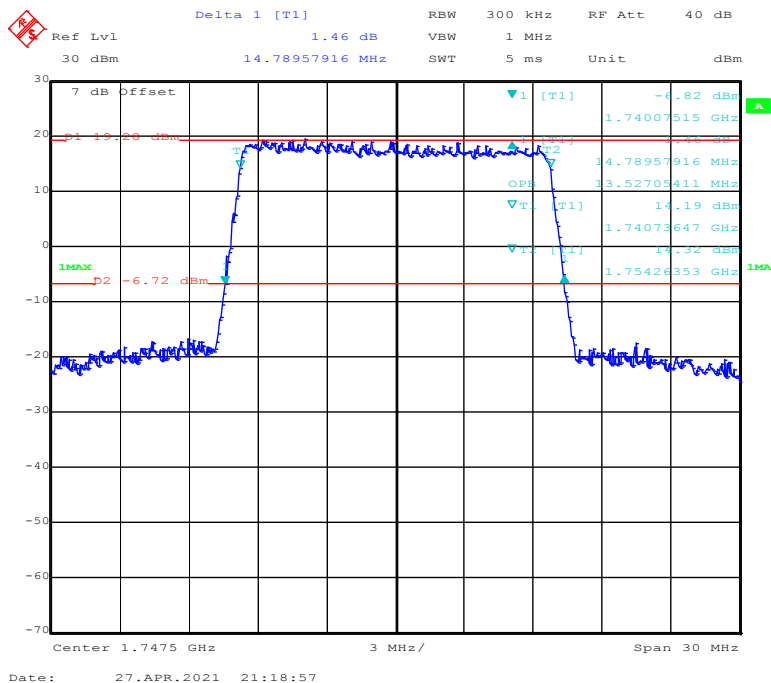
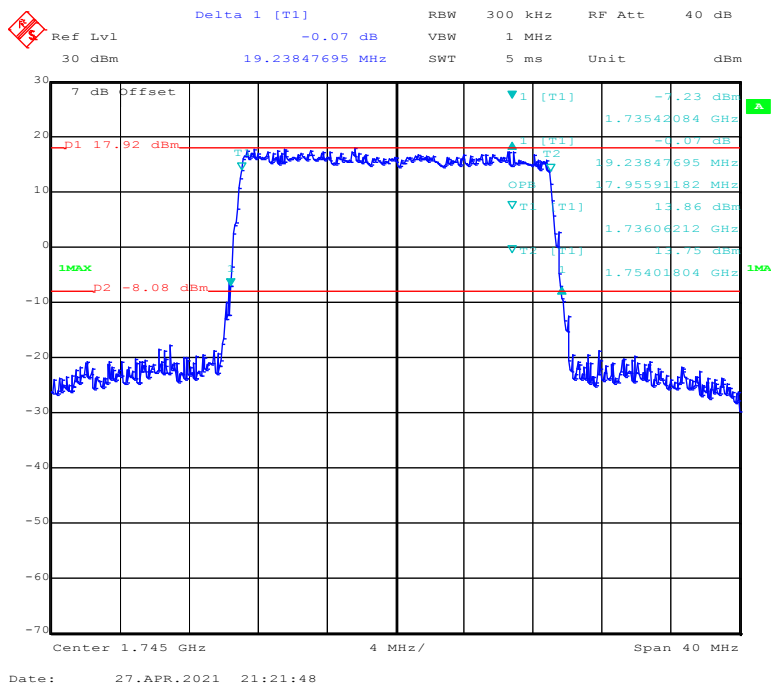
QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel

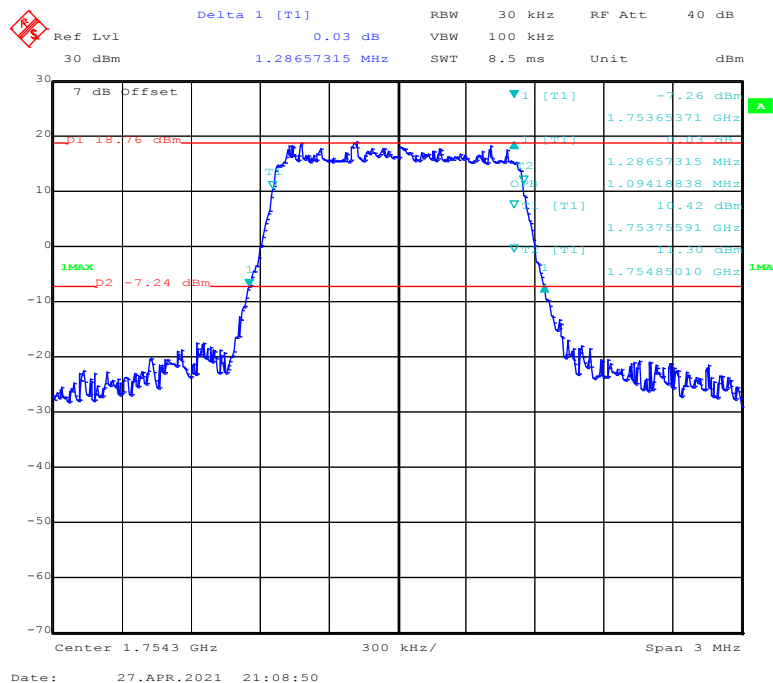
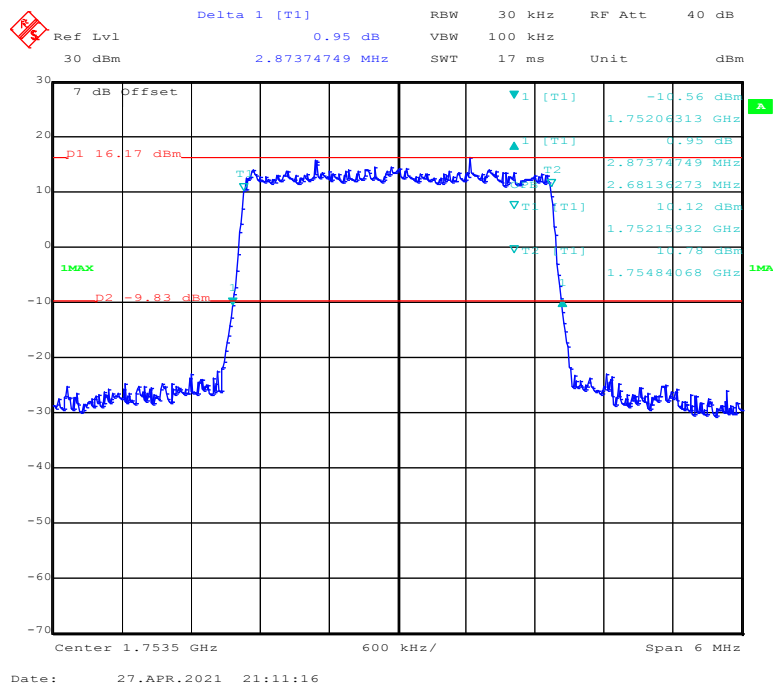


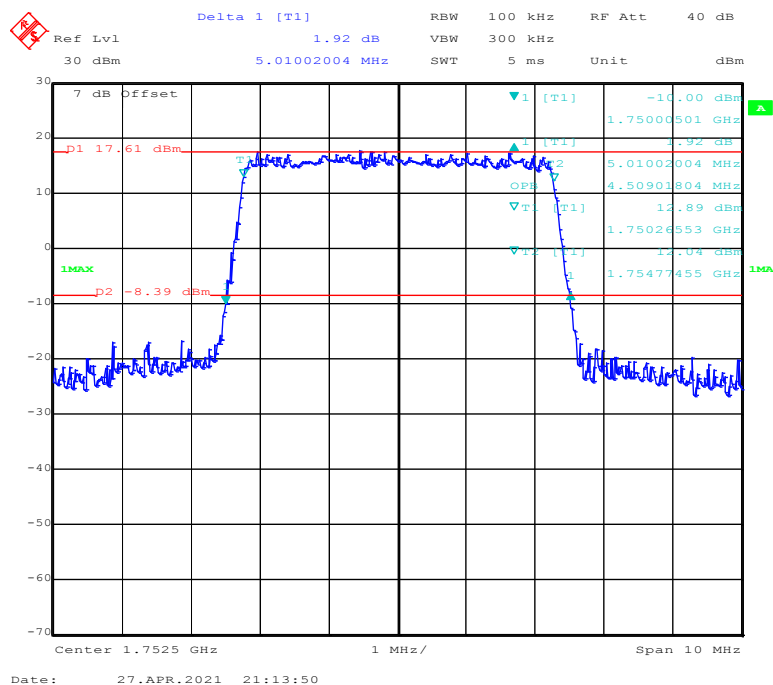
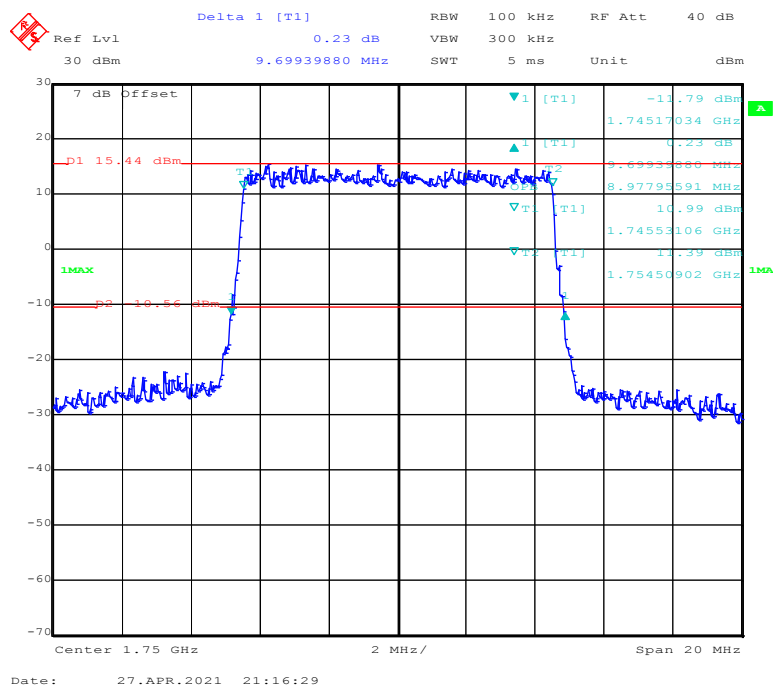
QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

Delta 1 [T1] 0.24 dB RBW 300 kHz RF Att 40 dB

Ref Lvl 30 dBm 14.84969940 MHz SWT 5 ms Unit dBm

7 dB Offset

1MAX 1.75426353 GHz

1MAX 1.74007515 GHz

1MAX 1.74073647 GHz

1MAX 13.52705411 MHz

1MAX 14.84969940 MHz

1MAX 0.24 dB

1MAX -9.32 dBm

1MAX -7.45 dBm

1MAX -18.55 dBm

Center 1.7475 GHz 3 MHz/ Span 30 MHz

Date: 27.APR.2021 21:19:27

Ref Lvl 30 dBm Delta 1 [T1] 2.29 dB RBW 300 kHz RF Att 40 dB

30 dBm 19.39879760 MHz SWT 5 ms Unit dBm

7 dB Offset

p1 18 dBm

1MAX

p2 -8 dBm

Center 1.745 GHz 4 MHz/ Span 40 MHz

Marker	Frequency (GHz)	Power (dBm)
1	1.73534068	19.39879760
2	1.73559182	12.91
3	1.73606212	12.90
4	1.75401804	1.75401804

LTE Band 5:

Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	1.4M	Low	1.293	1.094
	3M		2.886	2.693
	5M		4.990	4.529
	10M		9.659	8.978
	1.4M	Middle	1.287	1.106
	3M		2.874	2.693
	5M		4.950	4.529
	10M		9.619	8.978
	1.4M	High	1.287	1.100
	3M		2.886	2.693
	5M		4.930	4.529
	10M		9.619	8.978
16-QAM	1.4M	Low	1.299	1.106
	3M		2.862	2.681
	5M		4.970	4.509
	10M		9.499	8.978
	1.4M	Middle	1.275	1.094
	3M		2.886	2.681
	5M		4.970	4.529
	10M		9.579	8.978
	1.4M	High	1.287	1.100
	3M		2.874	2.681
	5M		4.950	4.529
	10M		9.539	8.938

Delta 1 [T1]

RBW 30 kHz RF Att 40 dB

Ref Lvl -0.71 dB

30 dBm 1.29258517 MHz

SWT 8.5 ms Unit dBm

7 dB Offset

P1 19.01 dBm

P2 -6.99 dBm

1MAX

1 [T1] -6.91 dBm

824.05971944 MHz

1.29258517 MHz

1.09418838 MHz

8.51 dBm

824.15591182 MHz

11.85 dBm

825.25010020 MHz

Center 824.7 MHz

300 kHz/

Span 3 MHz

Date: 27.APR.2021 21:22:44

Ref Lvl 30 dBm Delta 1 [T1] 0.14 dB RBW 30 kHz RF Att 40 dB

30 dBm 2.88577154 MHz SWT 17 ms Unit dBm

7 dB Offset

D1 17.1 dBm

1MAX

D2 -8.9 dBm

Center 825.5 MHz 600 kHz/ Span 6 MHz

▼1 [T1] -1.62 dBm 824.06312625 MHz

▲1 [T1] 0.14 dB 2.88577154 MHz

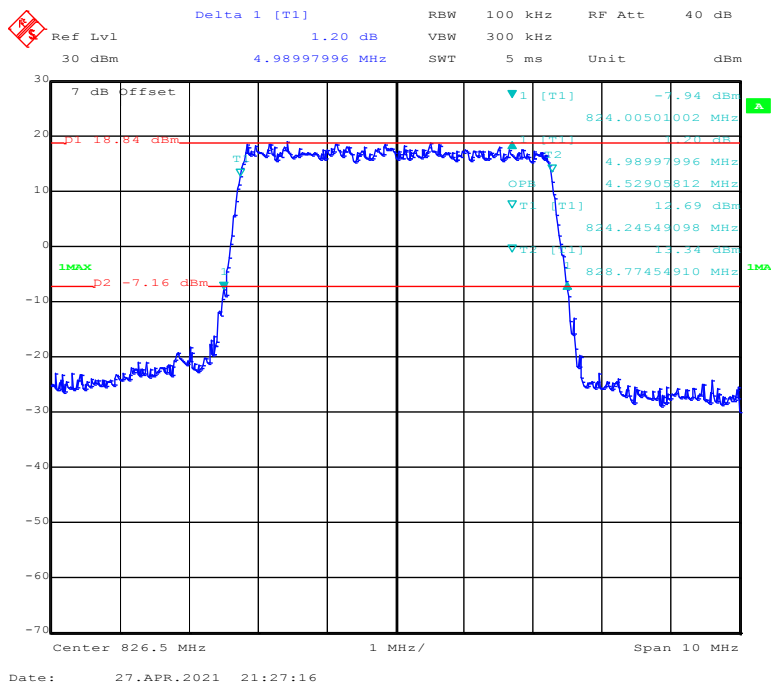
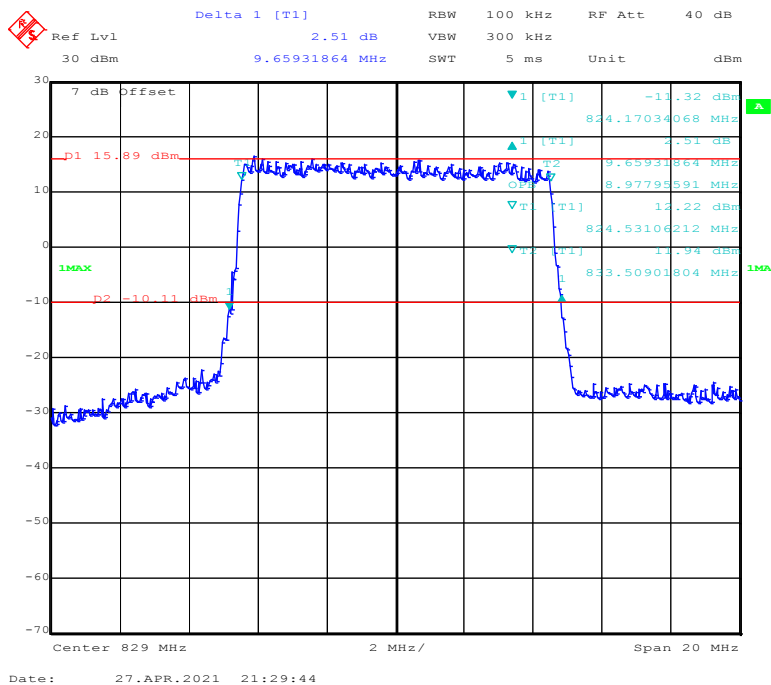
OPB 2.69338677 MHz

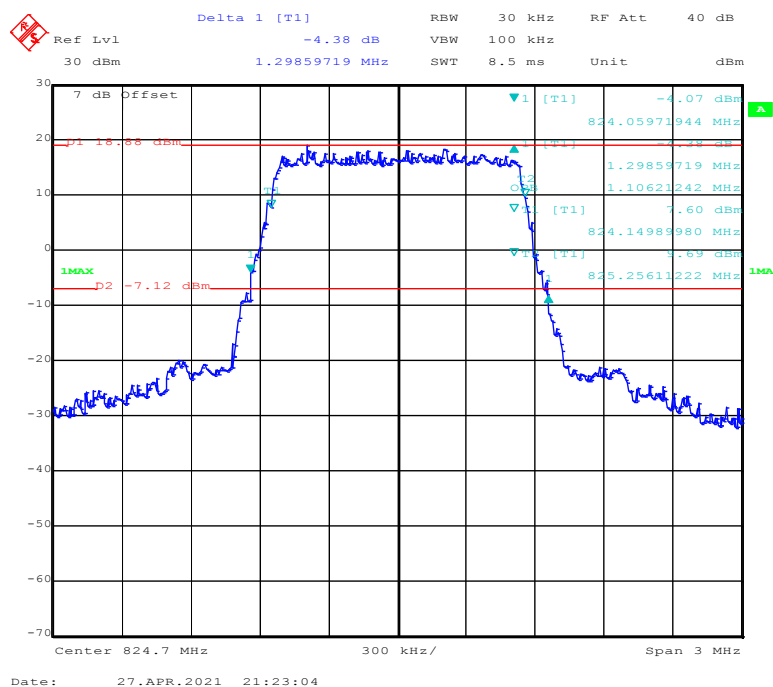
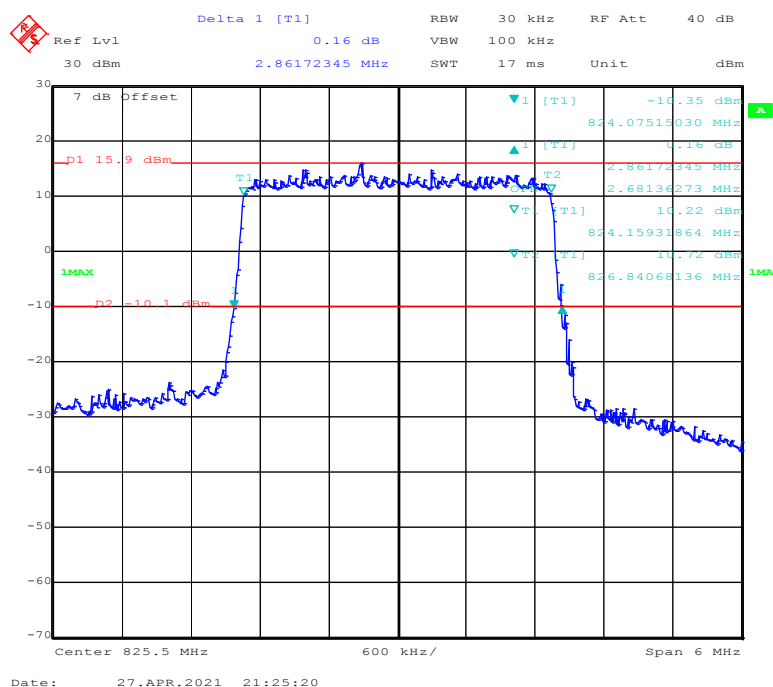
▼T1 [T1] 10.90 dBm 824.15931864 MHz

▼T1 [T1] 11.93 dBm 826.85270541 MHz

1MAX

Date: 27.APR.2021 21:24:59

QPSK (5.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Ref Lvl 30 dBm Delta 1 [T1] -0.42 dB RBW 100 kHz RF Att 40 dB VBW 300 kHz SWT 5 ms Unit dBm

7 dB Offset

p1 18.21 dBm

1MAX

p2 -7.79 dBm

▼1 [T1] -6.82 dBm

824.00501002 MHz

▲1 [T1] -0.42 dB

4.96993988 MHz

OPB 4.50901804 MHz

▼T1 [T1] 13.08 dBm

824.26553106 MHz

▼T2 [T1] 12.71 dBm

828.77454910 MHz

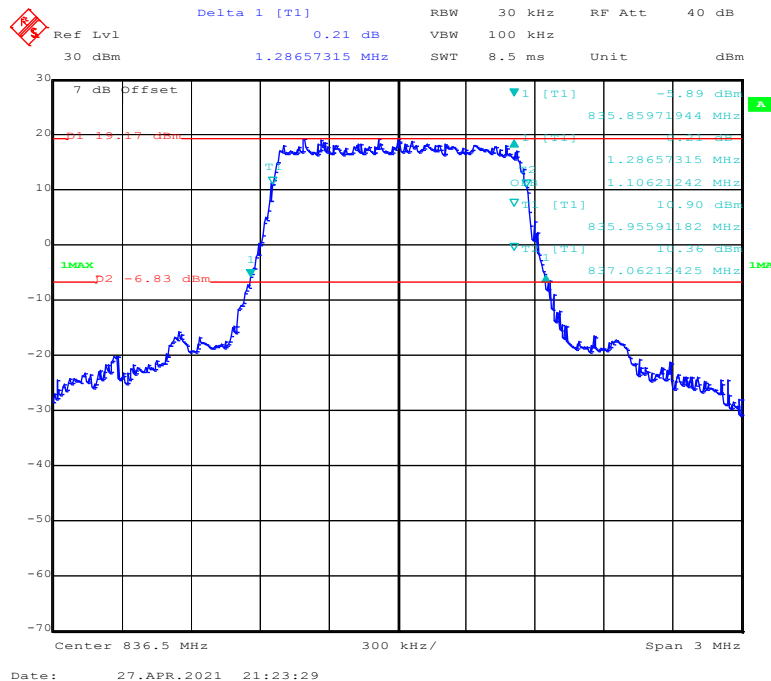
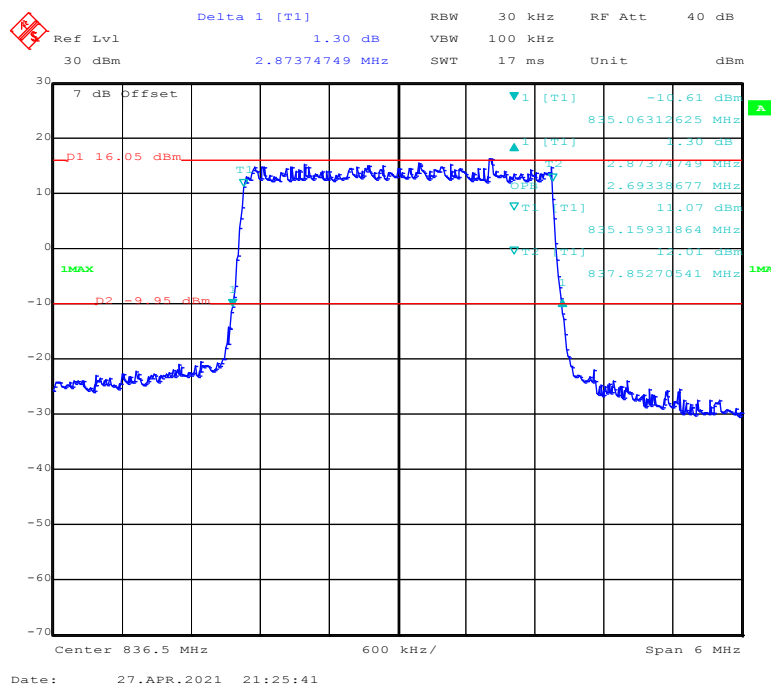
1MAX

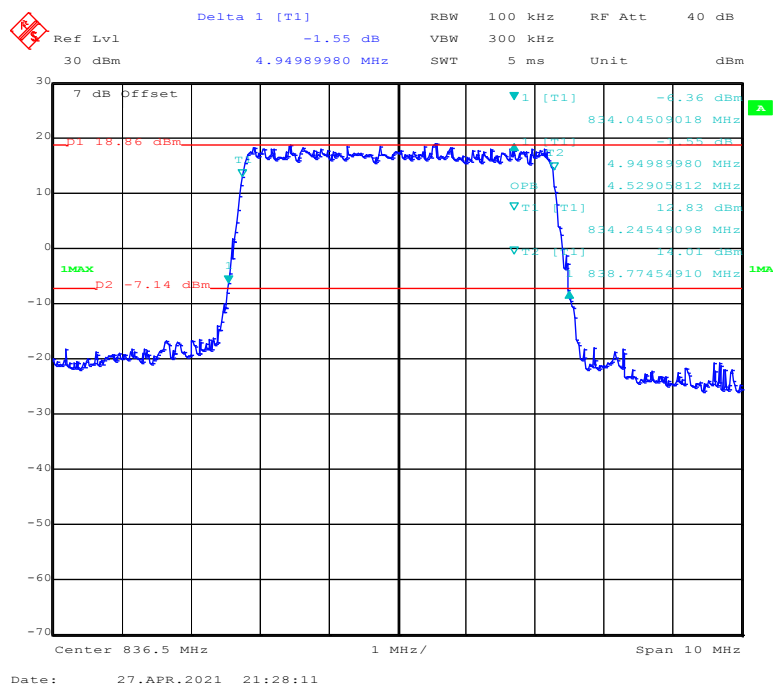
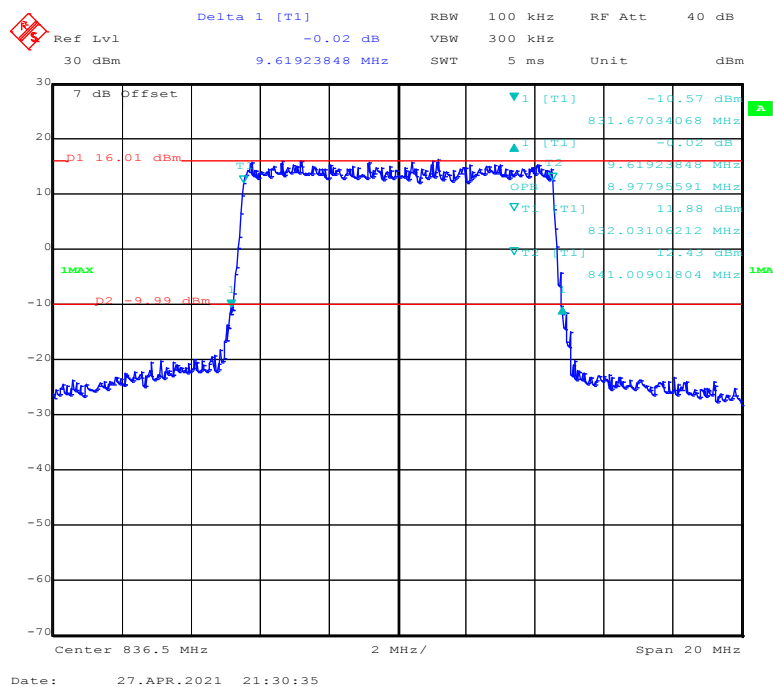
Center 826.5 MHz 1 MHz/ Span 10 MHz

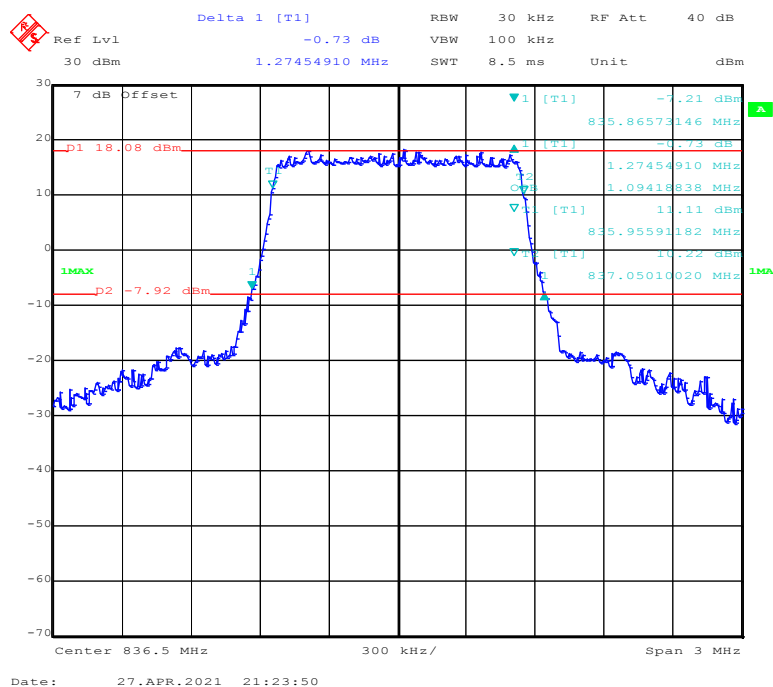
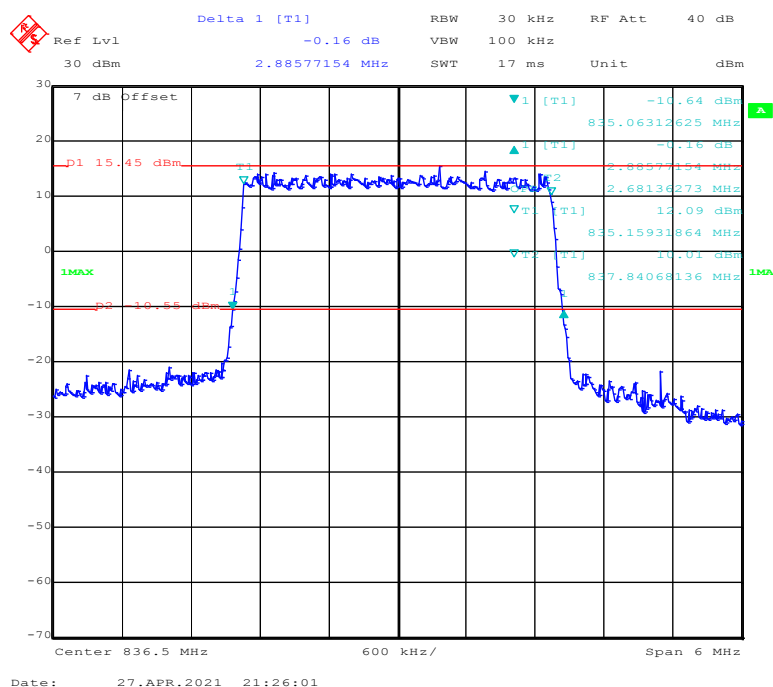
Date: 27.APR.2021 21:27:40

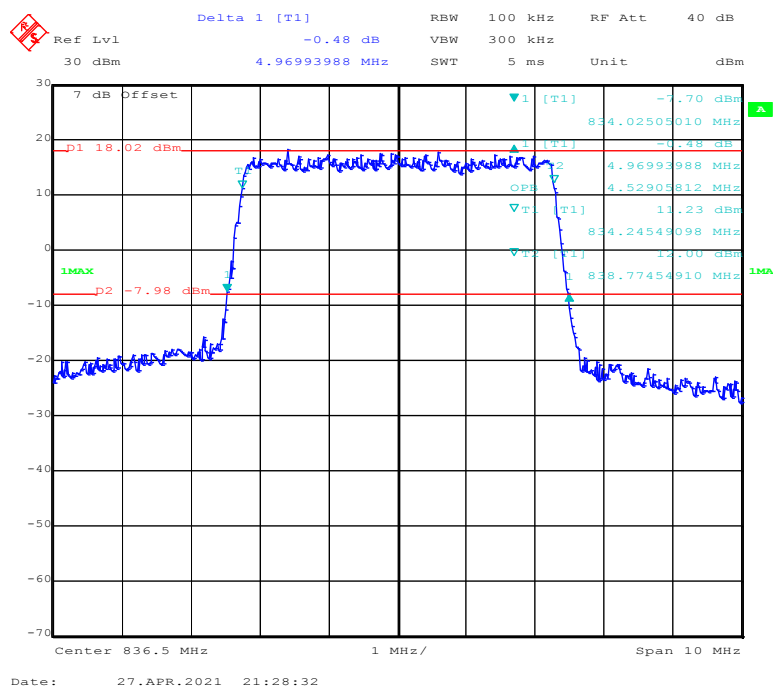
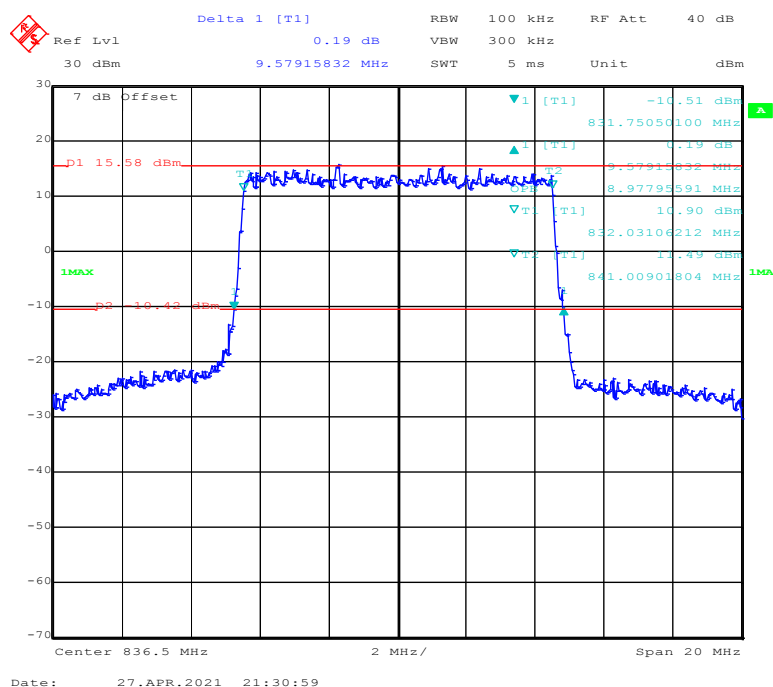
Ref Lvl 30 dBm Delta 1 [T1] 0.30 dB RBW 100 kHz RF Att 40 dB
 30 dBm 9.49899800 MHz SWT 5 ms Unit dBm

7 dB Offset
 P1 16.51 dBm
 T1
 1MAX
 P2 -9.49 dBm
 T2
 T3
 T4
 T5
 T6
 T7
 T8
 T9
 T10
 T11
 T12
 T13
 T14
 T15
 T16
 T17
 T18
 T19
 T20
 T21
 T22
 T23
 T24
 T25
 T26
 T27
 T28
 T29
 T30
 T31
 T32
 T33
 T34
 T35
 T36
 T37
 T38
 T39
 T40
 T41
 T42
 T43
 T44
 T45
 T46
 T47
 T48
 T49
 T50
 T51
 T52
 T53
 T54
 T55
 T56
 T57
 T58
 T59
 T60
 T61
 T62
 T63
 T64
 T65
 T66
 T67
 T68
 T69
 T70
 T71
 T72
 T73
 T74
 T75
 T76
 T77
 T78
 T79
 T80
 T81
 T82
 T83
 T84
 T85
 T86
 T87
 T88
 T89
 T90
 T91
 T92
 T93
 T94
 T95
 T96
 T97
 T98
 T99
 T100
 T101
 T102
 T103
 T104
 T105
 T106
 T107
 T108
 T109
 T110
 T111
 T112
 T113
 T114
 T115
 T116
 T117
 T118
 T119
 T120
 T121
 T122
 T123
 T124
 T125
 T126
 T127
 T128
 T129
 T130
 T131
 T132
 T133
 T134
 T135
 T136
 T137
 T138
 T139
 T140
 T141
 T142
 T143
 T144
 T145
 T146
 T147
 T148
 T149
 T150
 T151
 T152
 T153
 T154
 T155
 T156
 T157
 T158
 T159
 T160
 T161
 T162
 T163
 T164
 T165
 T166
 T167
 T168
 T169
 T170
 T171
 T172
 T173
 T174
 T175
 T176
 T177
 T178
 T179
 T180
 T181
 T182
 T183
 T184
 T185
 T186
 T187
 T188
 T189
 T190
 T191
 T192
 T193
 T194
 T195
 T196
 T197
 T198
 T199
 T200
 T201
 T202
 T203
 T204
 T205
 T206
 T207
 T208
 T209
 T210
 T211
 T212
 T213
 T214
 T215
 T216
 T217
 T218
 T219
 T220
 T221
 T222
 T223
 T224
 T225
 T226
 T227
 T228
 T229
 T230
 T231
 T232
 T233
 T234
 T235
 T236
 T237
 T238
 T239
 T240
 T241
 T242
 T243
 T244
 T245
 T246
 T247
 T248
 T249
 T250
 T251
 T252
 T253
 T254
 T255
 T256
 T257
 T258
 T259
 T260
 T261
 T262
 T263
 T264
 T265
 T266
 T267
 T268
 T269
 T270
 T271
 T272
 T273
 T274
 T275
 T276
 T277
 T278
 T279
 T280
 T281
 T282
 T283
 T284
 T285
 T286
 T287
 T288
 T289
 T290
 T291
 T292
 T293
 T294
 T295
 T296
 T297
 T298
 T299
 T300
 T301
 T302
 T303
 T304
 T305
 T306
 T307
 T308
 T309
 T310
 T311
 T312
 T313
 T314
 T315
 T316
 T317
 T318
 T319
 T320
 T321
 T322
 T323
 T324
 T325
 T326
 T327
 T328
 T329
 T330
 T331
 T332
 T333
 T334
 T335
 T336
 T337
 T338
 T339
 T340
 T341
 T342
 T343
 T344
 T345
 T346
 T347
 T348
 T349
 T350
 T351
 T352
 T353
 T354
 T355
 T356
 T357
 T358
 T359
 T360
 T361
 T362
 T363
 T364
 T365
 T366
 T367
 T368
 T369
 T370
 T371
 T372
 T373
 T374
 T375
 T376
 T377
 T378
 T379
 T380
 T381
 T382
 T383
 T384
 T385
 T386
 T387
 T388
 T389
 T390
 T391
 T392
 T393
 T394
 T395
 T396
 T397
 T398
 T399
 T400
 T401
 T402
 T403
 T404
 T405
 T406
 T407
 T408
 T409
 T410
 T411
 T412
 T413
 T414
 T415
 T416
 T417
 T418
 T419
 T420
 T421
 T422
 T423
 T424
 T425
 T426
 T427
 T428
 T429
 T430
 T431
 T432
 T433
 T434
 T435
 T436
 T437
 T438
 T439
 T440
 T441
 T442
 T443
 T444
 T445
 T446
 T447
 T448
 T449
 T450
 T451
 T452
 T453
 T454
 T455
 T456
 T457
 T458
 T459
 T460
 T461
 T462
 T463
 T464
 T465
 T466
 T467
 T468
 T469
 T470
 T471
 T472
 T473
 T474
 T475
 T476
 T477
 T478
 T479
 T480
 T481
 T482
 T483
 T484
 T485
 T486
 T487
 T488
 T489
 T490
 T491
 T492
 T493
 T494
 T495
 T496
 T497
 T49

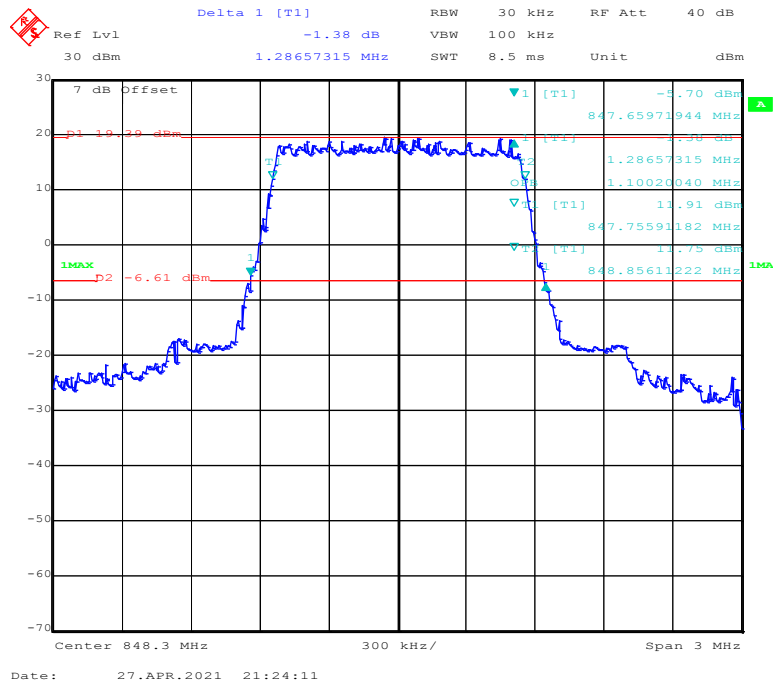
QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (5.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

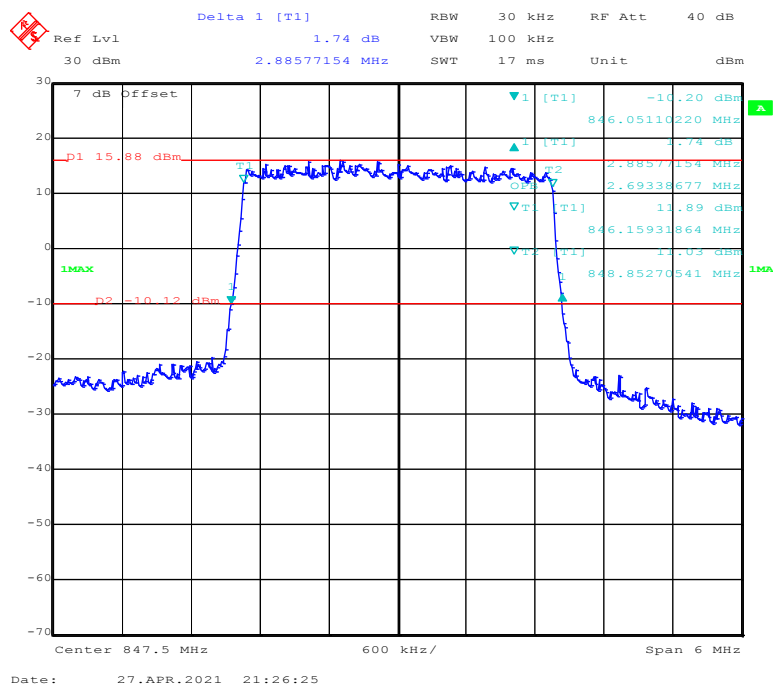
16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



Delta 1 [T1]

Ref Lvl 0.62 dB

30 dBm 4.92985972 MHz

RBW 100 kHz RF Att 40 dB

SWT 5 ms Unit dBm

7 dB Offset

p1 19.94 dBm

1MAX -6.06 dBm

▼1 [T1] -6.10 dBm

▲1 [T1] 0.62 dB

OP1 4.92985972 MHz

▼T1 [T1] 14.38 dBm

844.02505010 MHz

844.24549098 MHz

▼T2 [T1] 14.79 dBm

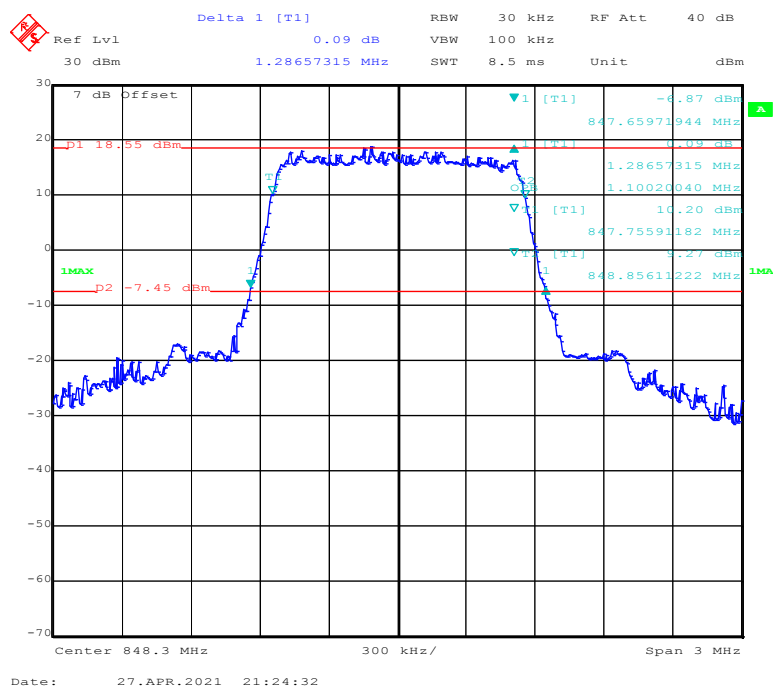
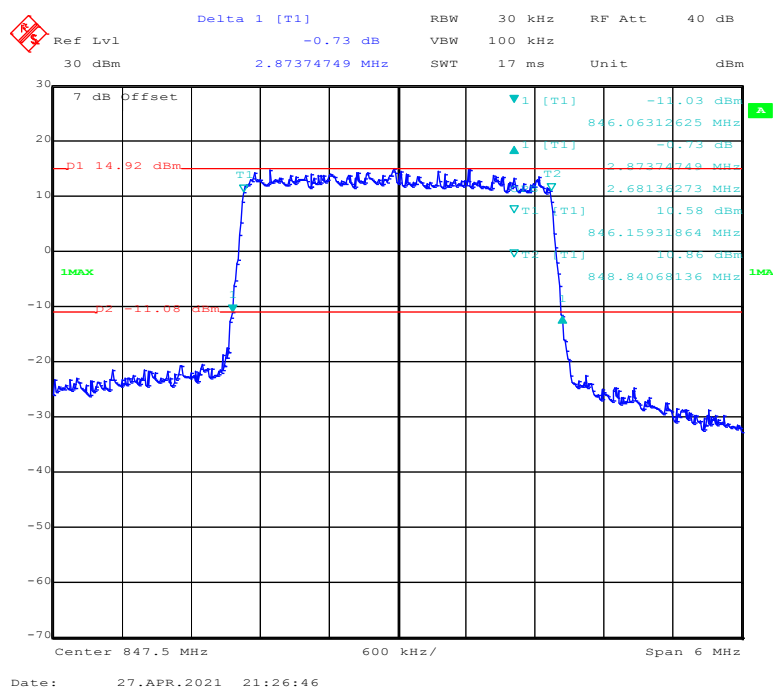
848.77454910 MHz

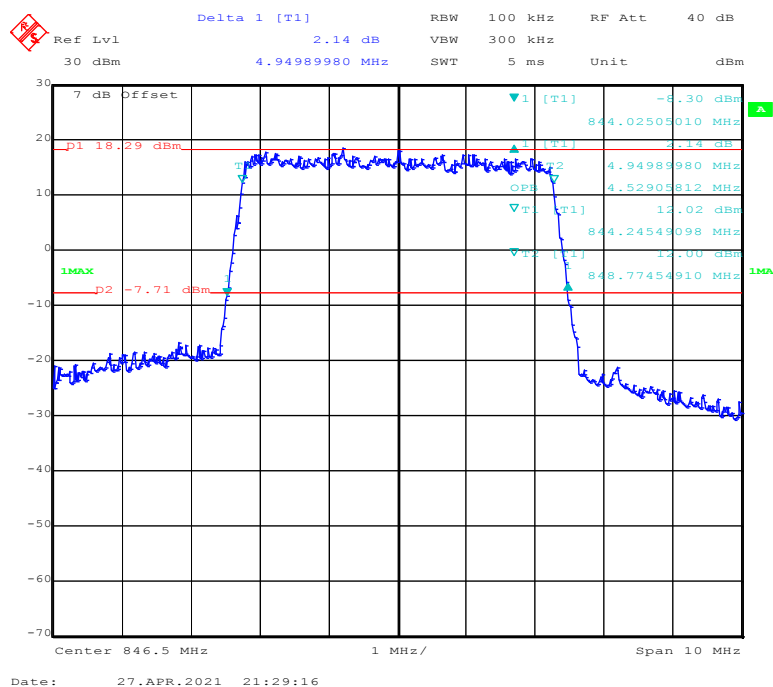
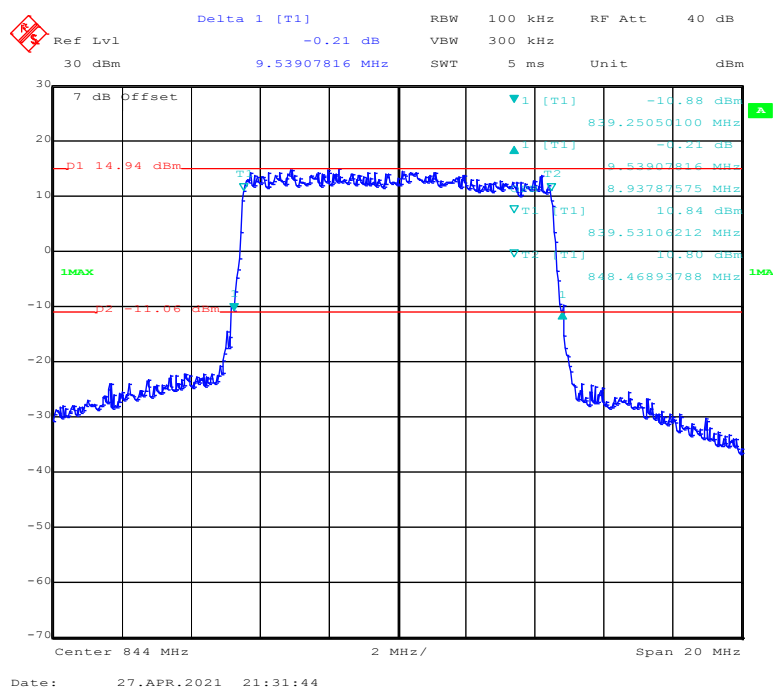
1MAX

Center 846.5 MHz 1 MHz/ Span 10 MHz

Date: 27.APR.2021 21:28:56

[illegible]

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

LTE Band 7:

Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	5M	Low	4.990	4.509
	10M		9.579	8.978
	15M		14.790	13.467
	20M		19.319	18.036
	5M	Middle	4.950	4.529
	10M		9.579	8.978
	15M		14.669	13.467
	20M		19.399	17.956
	5M	High	4.970	4.509
	10M		9.579	8.978
	15M		14.790	13.587
	20M		4.970	17.956
16-QAM	5M	Low	5.271	4.509
	10M		9.539	8.978
	15M		14.850	13.527
	20M		19.479	17.956
	5M	Middle	4.970	4.529
	10M		9.539	8.938
	15M		14.729	13.527
	20M		19.238	17.956
	5M	High	4.990	4.529
	10M		9.619	8.938
	15M		15.271	13.527
	20M		19.238	17.956

[illegible]

Delta 1 [T1] -0.86 dB

Ref Lvl 30 dBm

RBW 100 kHz

VBW 300 kHz

SWT 5 ms

RF Att 40 dB

Unit dBm

7 dB Offset

p1 14.71 dBm

p2 -11.29 dBm

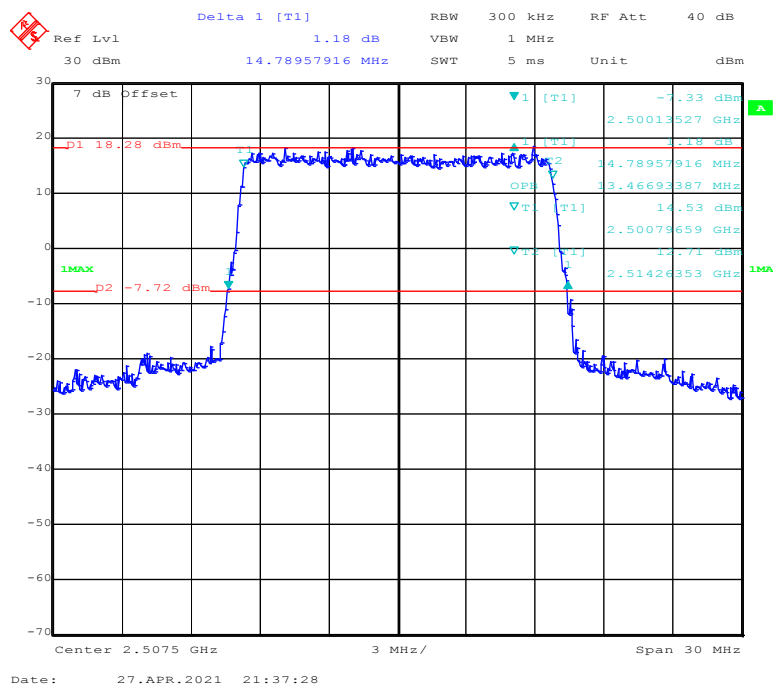
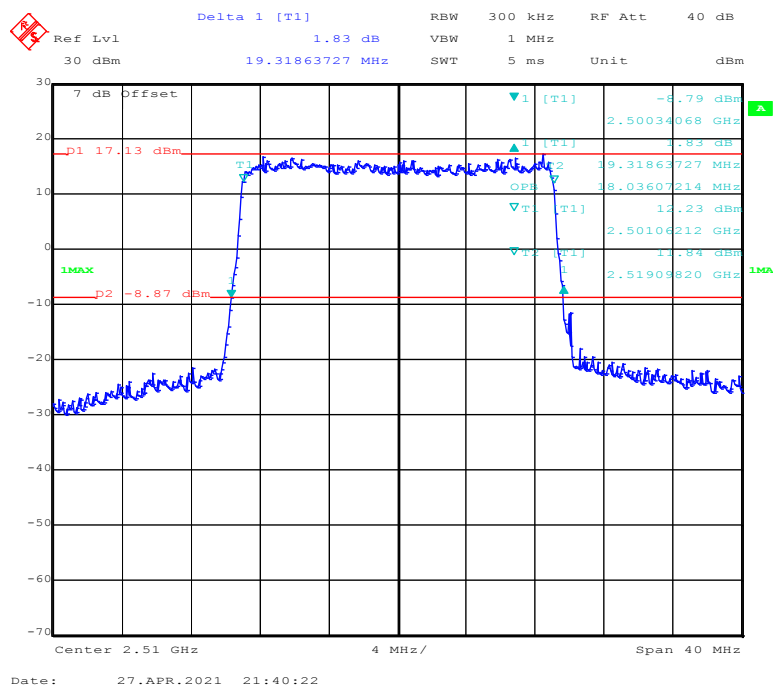
1MAX

Center 2.505 GHz

2 MHz/

Span 20 MHz

Date: 27.APR.2021 21:34:47

QPSK (15.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Delta 1 [T1]

Ref Lvl 30 dBm

30 dBm

5.27054108 MHz

SWT 5 ms

Unit dBm

7 dB Offset

D1 16.79 dBm

1MAX

D2 -9.21 dBm

1

▼1 [T1] -2.12 dBm

2.49972445 GHz

▼2 [T1] -2.71 dBm

5.27054108 MHz

OP1 [T1] 4.50901804 MHz

▼T1 [T1] 12.01 dBm

2.50026553 GHz

▼T2 [T1] 12.16 dBm

2.50477455 GHz

Center 2.5025 GHz

1 MHz/

Span 10 MHz

Date: 27.APR.2021 21:32:45

Ref Lvl 30 dBm Delta 1 [T1] 1.09 dB RBW 300 kHz RF Att 40 dB

30 dBm 14.84969940 MHz SWT 5 ms Unit dBm

7 dB Offset

17.36 dBm

1.09 dB

14.84969940 MHz

2.50007515 GHz

13.77 dBm

2.50073647 GHz

13.75 dBm

2.51426353 GHz

Center 2.5075 GHz 3 MHz/ Span 30 MHz

Date: 27.APR.2021 21:37:55

Ref Lvl 30 dBm Delta 1 [T1] -1.75 dB RBW 300 kHz RF Att 40 dB

30 dBm 19.47895792 MHz SWT 5 ms Unit dBm

7 dB Offset

D1 15.97 dBm T1

1MAX

D2 10.03 dBm

▼1 [T1] -2.77 dBm 2.50034068 GHz

▲1 [T1] T2 -1.75 dB 2.47895792 MHz

OPB 2.795591182 MHz

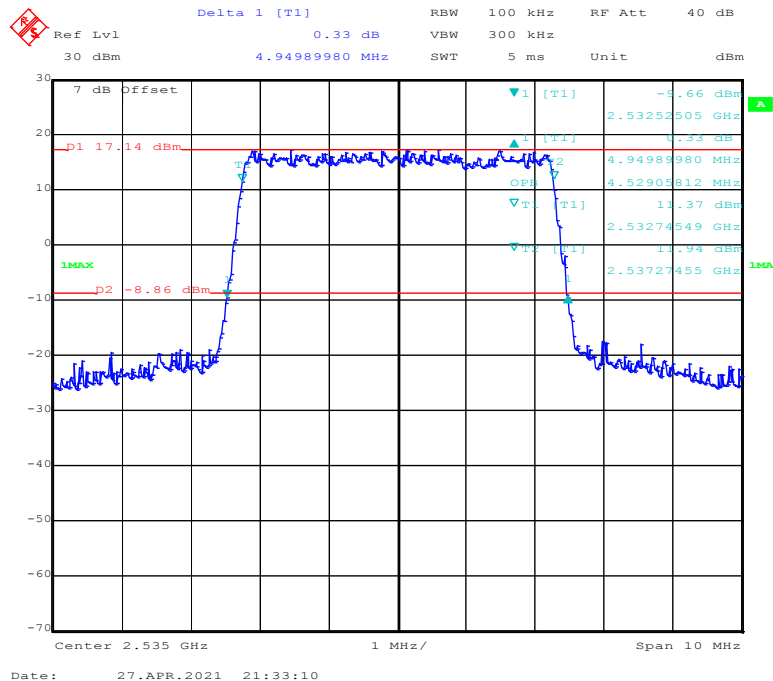
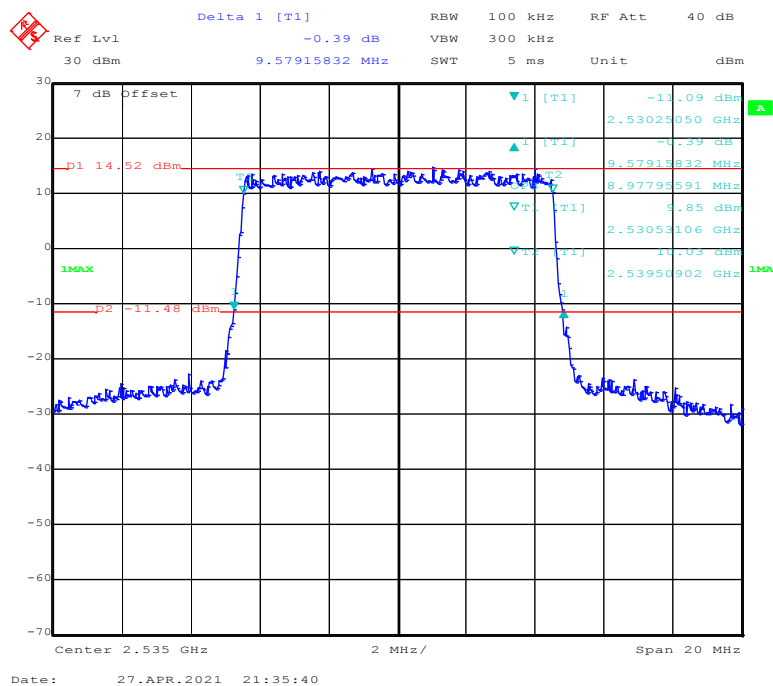
▼T1 [T1] 13.51 dBm 2.50106212 GHz

▼T1 [T1] 14.38 dBm 2.51901804 GHz

1MAX

Center 2.51 GHz 4 MHz/ Span 40 MHz

Date: 27.APR.2021 21:40:47

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Delta 1 [T1] 0.41 dB

Ref Lvl 30 dBm

14.66933868 MHz

RBW 300 kHz

VBW 1 MHz

SWT 5 ms

RF Att 40 dB

Unit dBm

7 dB Offset

1MAX

1MAX

Center 2.535 GHz

3 MHz/

Span 30 MHz

Date: 27.APR.2021 21:38:19

Delta 1 [T1] 0.98 dB RBW 300 kHz RF Att 40 dB

Ref Lvl 30 dBm 19.39879760 MHz VSW 1 MHz Unit dBm

7 dB Offset

p1 16.95 dBm

1MAX

p2 -9.05 dBm

Center 2.535 GHz 4 MHz/ Span 40 MHz

Date: 27.APR.2021 21:41:13

Delta 1 [T1]

Ref Lvl 1.00 dB RBW 100 kHz RF Att 40 dB

30 dBm 4.96993988 MHz SWT 5 ms Unit dBm

7 dB Offset

P1 16.57 dBm

1MAX

P2 -9.43 dBm

▼1 [T1] -1.26 dBm

▲1 [T1] 1.00 dB

▼2 [T1] 4.96993988 MHz

▲2 [T1] 4.52905812 MHz

▼T1 [T1] 11.13 dBm

▼T2 [T1] 2.53274549 GHz

▼T3 [T1] 10.66 dBm

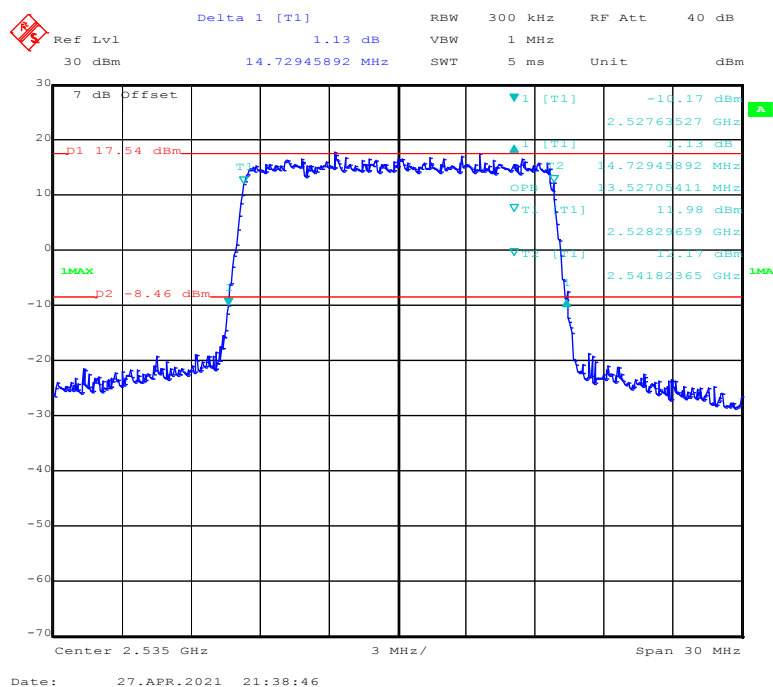
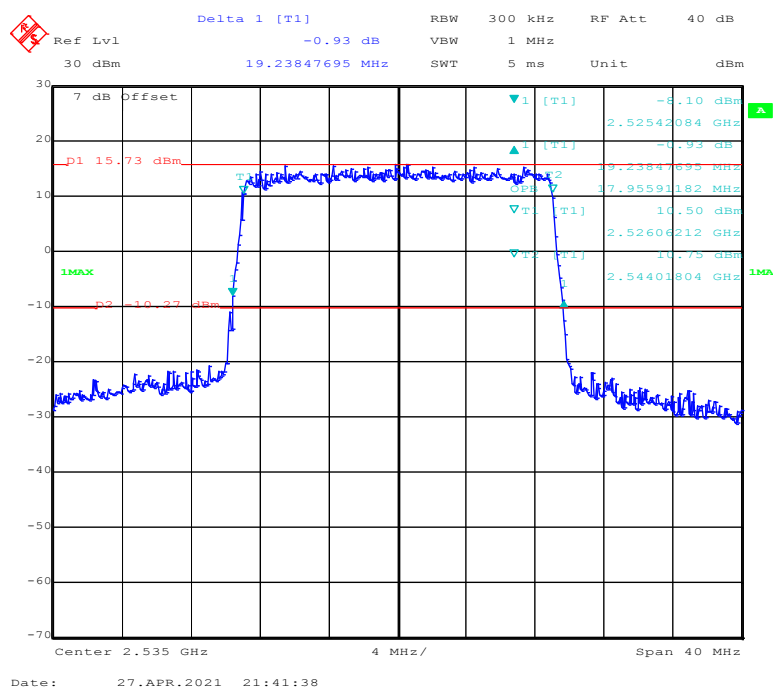
▼T4 [T1] 2.53727455 GHz

1MAX

Center 2.535 GHz 1 MHz/ Span 10 MHz

Date: 27.APR.2021 21:33:37

[illegible]

16-QAM (15.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Delta 1 [T1]

Ref Lvl 0.71 dB RBW 100 kHz RF Att 40 dB

30 dBm 4.96993988 MHz SWT 5 ms Unit dBm

7 dB Offset

p1 17.71 dBm

p2 -8.29 dBm

1MAX

1MAX

▼1 [T1] -8.79 dBm 2.56500501 GHz

▲1 [T1] 17.71 dBm 4.96993988 MHz

▼T2 4.96993988 MHz

▲T2 4.96993988 MHz

▼T1 [T1] 12.79 dBm 2.56526553 GHz

▲T1 [T1] 12.60 dBm 2.56977455 GHz

Center 2.5675 GHz 1 MHz/ Span 10 MHz

Date: 27.APR.2021 21:33:58

Delta 1 [T1] -1.35 dB

RBW 100 kHz RF Att 40 dB

Ref Lvl 30 dBm

SWT 5 ms Unit dBm

7 dB Offset

p1 15.32 dBm

p2 16.68 dBm

1MAX

1MAX

▼1 [T1] -1.56 dBm 2.56025050 GHz

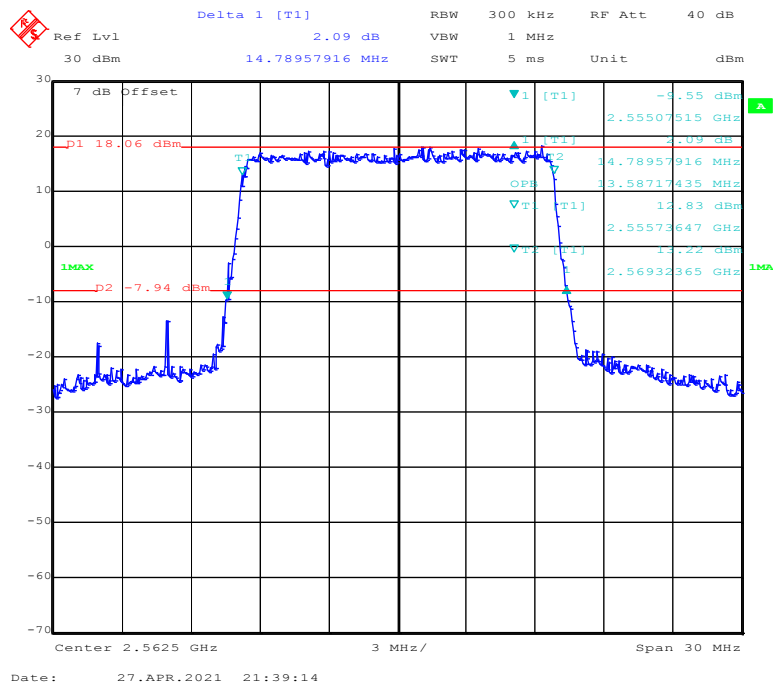
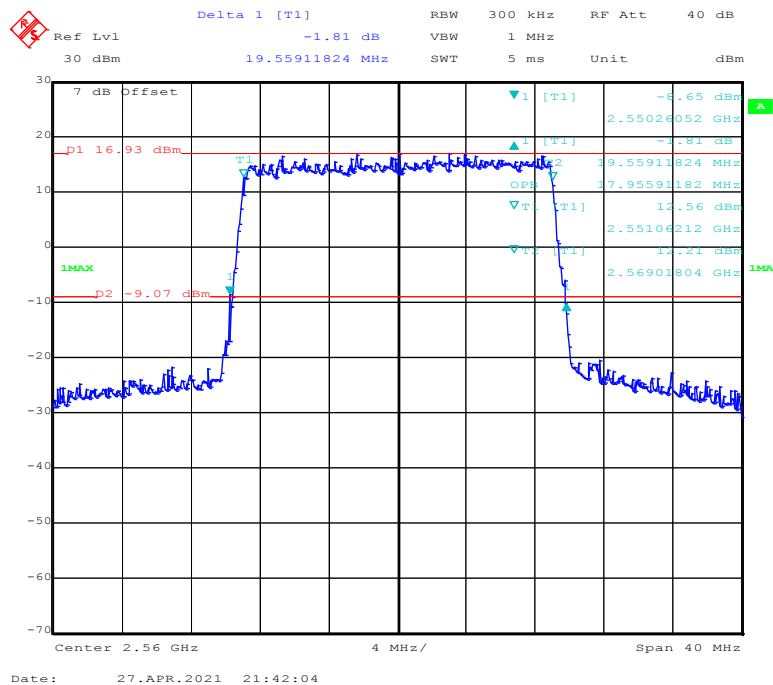
▲1 [T1] -1.35 dB 2.57015832 MHz

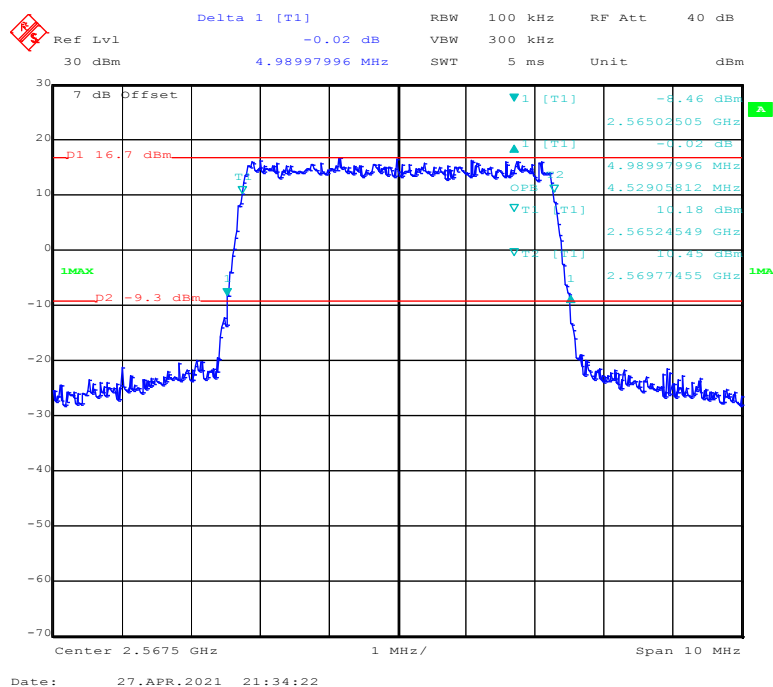
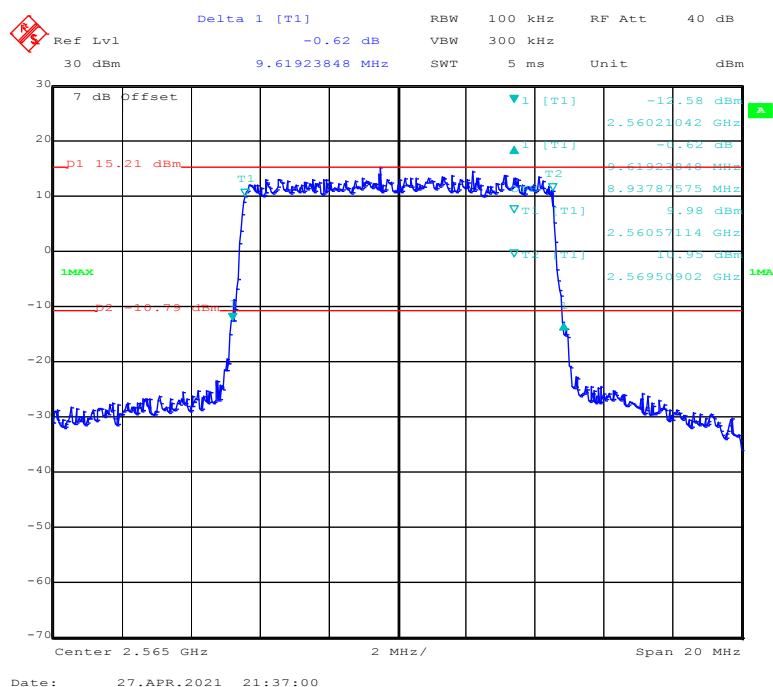
▼T1 [T1] 9.51 dBm 2.56053106 GHz

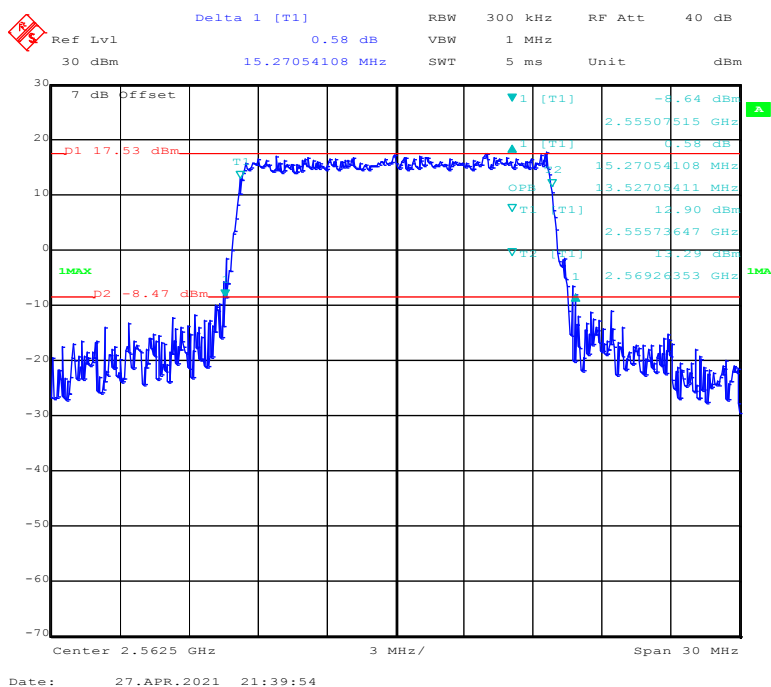
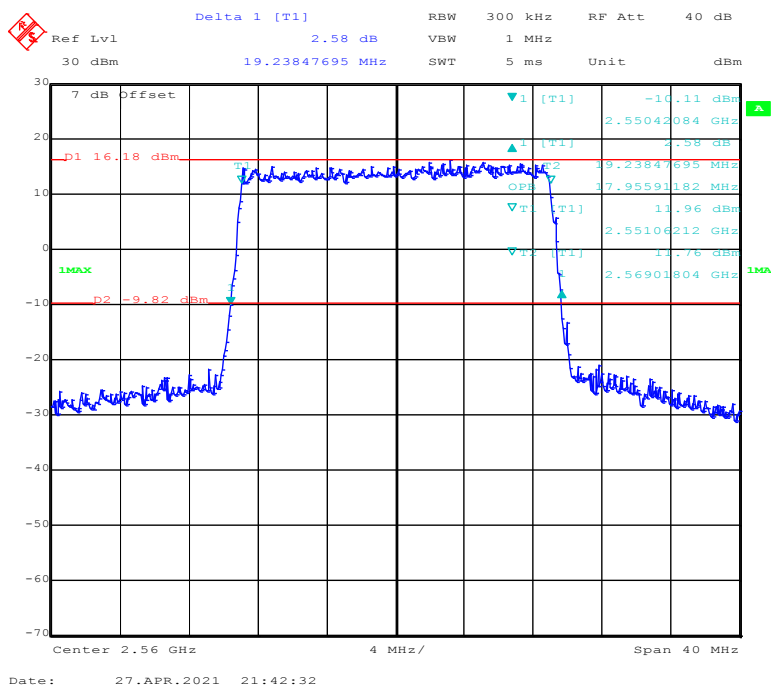
▼T1 [T1] 10.71 dBm 2.56950902 GHz

Center 2.565 GHz 2 MHz/ Span 20 MHz

Date: 27.APR.2021 21:36:32

QPSK (15.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

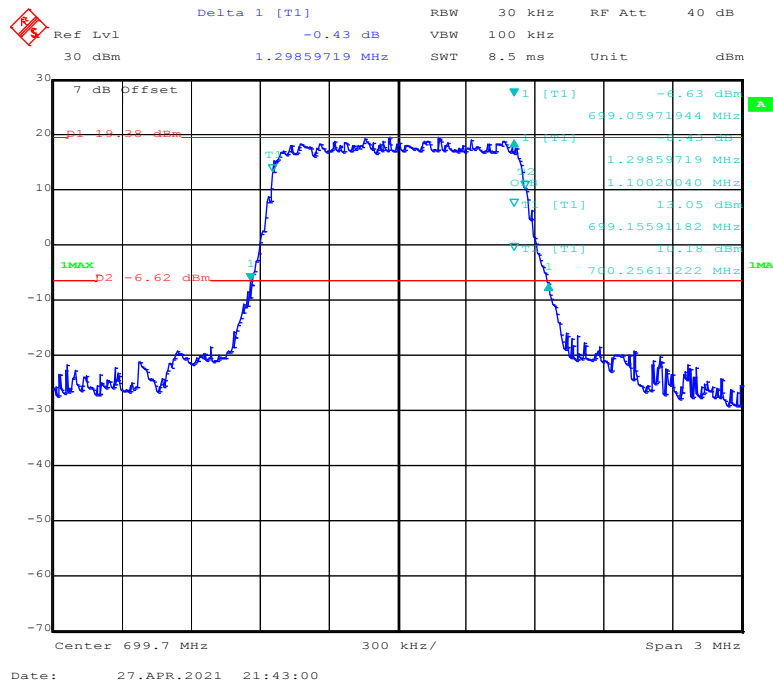
16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (15.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

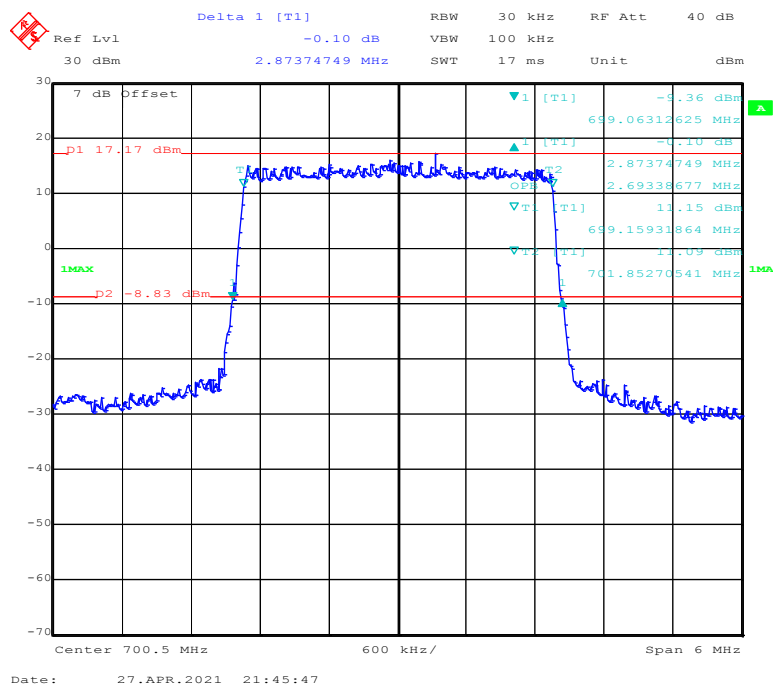
LTE Band 12:

Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	1.4M	Low	1.299	1.100
	3M		2.874	2.693
	5M		5.391	4.549
	10M		9.900	9.018
	1.4M	Middle	1.311	1.100
	3M		2.886	2.681
	5M		5.170	4.549
	10M		9.940	8.978
	1.4M	High	1.275	1.094
	3M		2.874	2.681
	5M		5.130	4.549
	10M		9.940	8.978
16-QAM	1.4M	Low	1.305	1.112
	3M		2.874	2.669
	5M		5.110	4.529
	10M		9.780	8.978
	1.4M	Middle	1.341	1.100
	3M		3.186	2.693
	5M		5.170	4.549
	10M		9.860	8.978
	1.4M	High	1.287	1.094
	3M		2.874	2.681
	5M		5.170	4.549
	10M		9.780	8.978

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



Delta 1 [T1] -0.58 dB

Ref Lvl 30 dBm

RBW 100 kHz

RF Att 40 dB

SWT 5 ms

Unit dBm

7 dB Offset

D1 20.17 dBm

1MAX p2 -5.83 dBm

1MAX

▼1 [T1] -5.52 dBm

698.80460922 MHz

▼2 [T2] -0.58 dB

5.39078156 MHz

OP1 4.54905820 MHz

▼T1 [T1] 14.24 dBm

699.24549098 MHz

▼T2 [T2] 13.41 dBm

700.79458918 MHz

Center 701.5 MHz

1 MHz/

Span 10 MHz

Date: 27.APR.2021 21:48:47

Ref Lvl 30 dBm Delta 1 [T1] -2.16 dB RBW 100 kHz RF Att 40 dB

30 dBm 9.89979960 MHz SWT 5 ms Unit dBm

7 dB Offset

P1 16.17 dBm

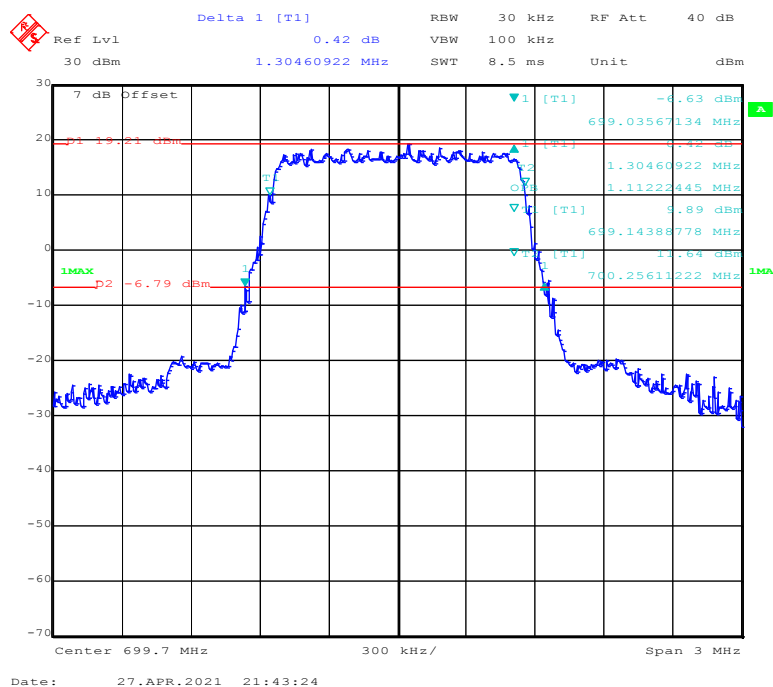
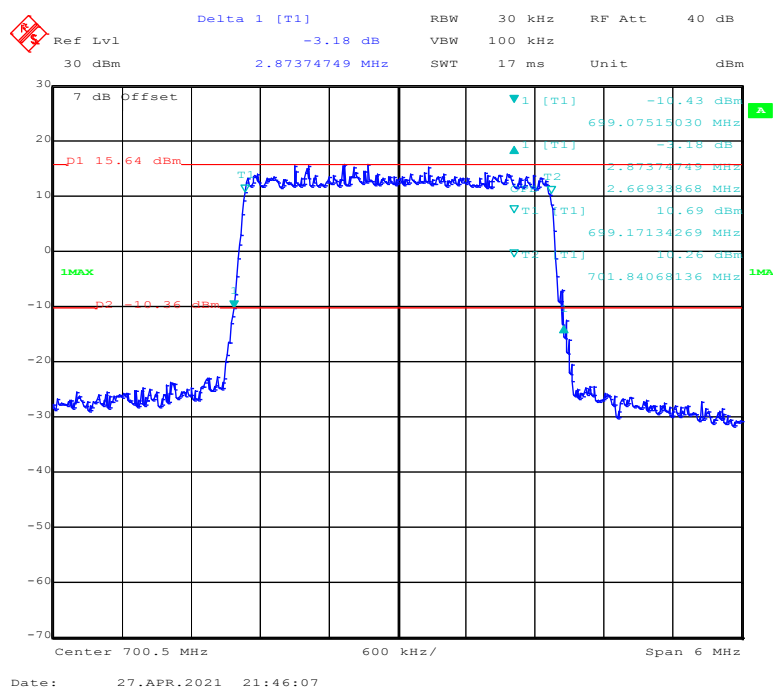
P2 -9.83 dBm

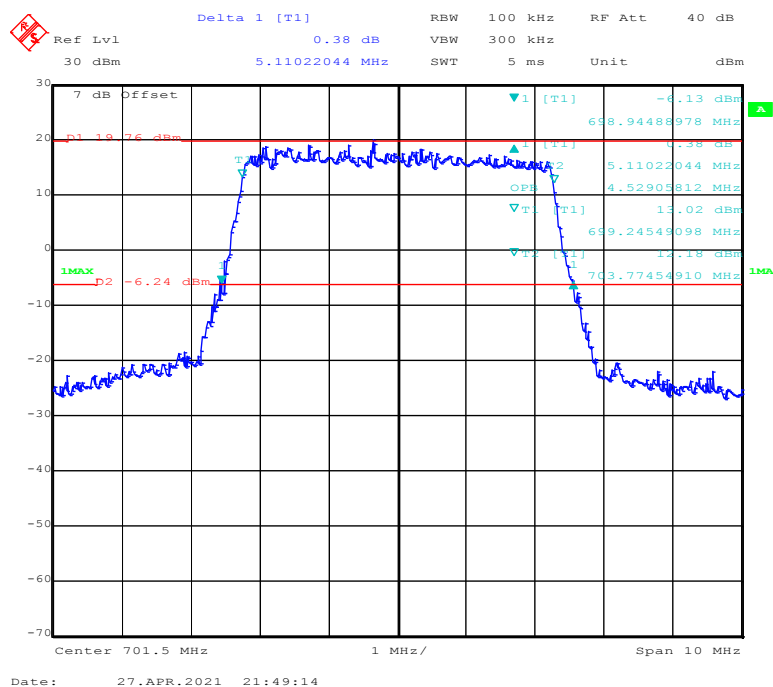
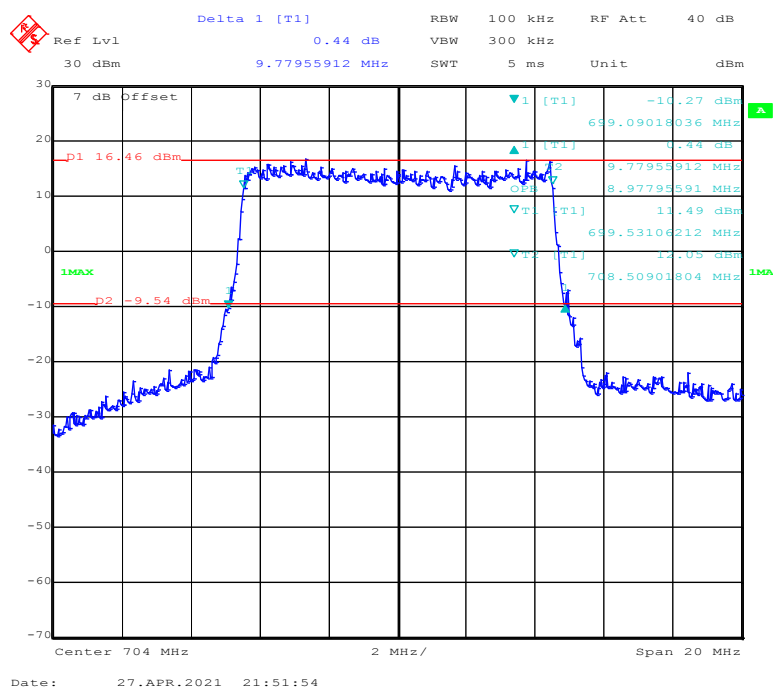
1MAX

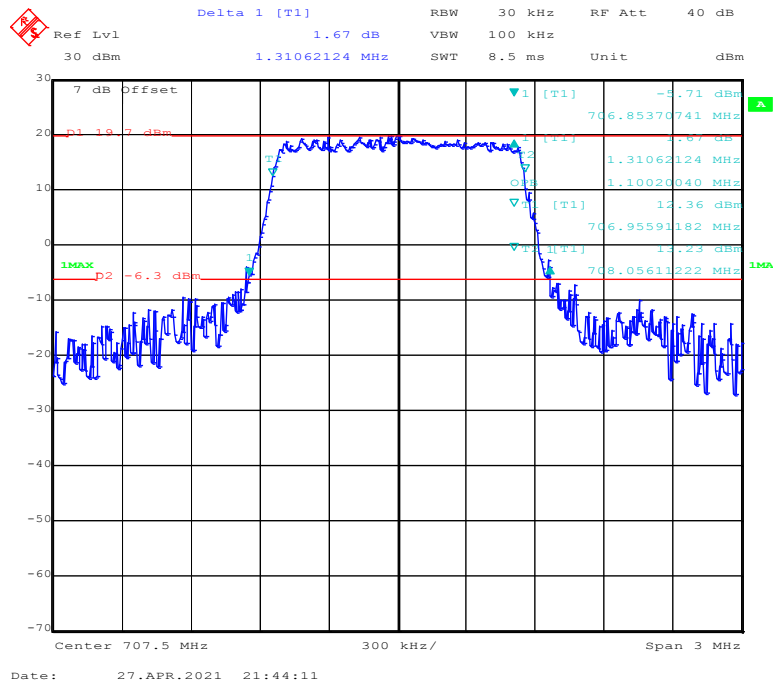
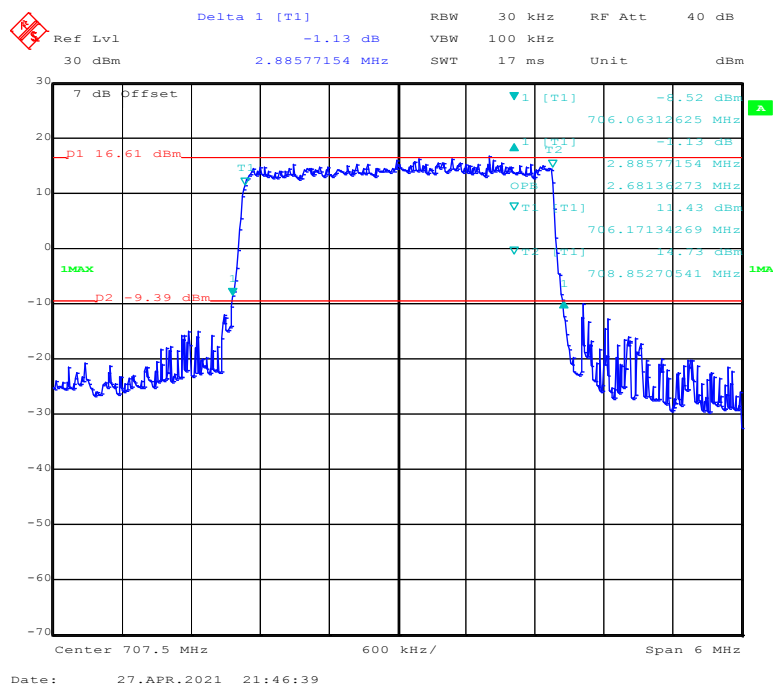
1MA

Center 704 MHz 2 MHz/ Span 20 MHz

Date: 27.APR.2021 21:51:28

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Delta 1 [T1]

Ref Lvl 1.20 dB

30 dBm 5.17034068 MHz

RBW 100 kHz RF Att 40 dB

SWT 5 ms Unit dBm

7 dB Offset

13.58 dBm

5.17034068 MHz

Center 707.5 MHz 1 MHz/ Span 10 MHz

Date: 27.APR.2021 21:49:42

Delta 1 [T1] -0.24 dB

RBW 100 kHz RF Att 40 dB

Ref Lvl 30 dBm VBW 300 kHz

SWT 5 ms Unit dBm

7 dB Offset

P1 16.36 dBm

1MAX

P2 -9.64 dBm

1MA

▼1 [T1] -8.92 dBm

702.59018036 MHz

▲1 [T1] -0.24 dB

9.93987976 MHz

OPB 9.97795591 MHz

▼T1 [T1] 11.38 dBm

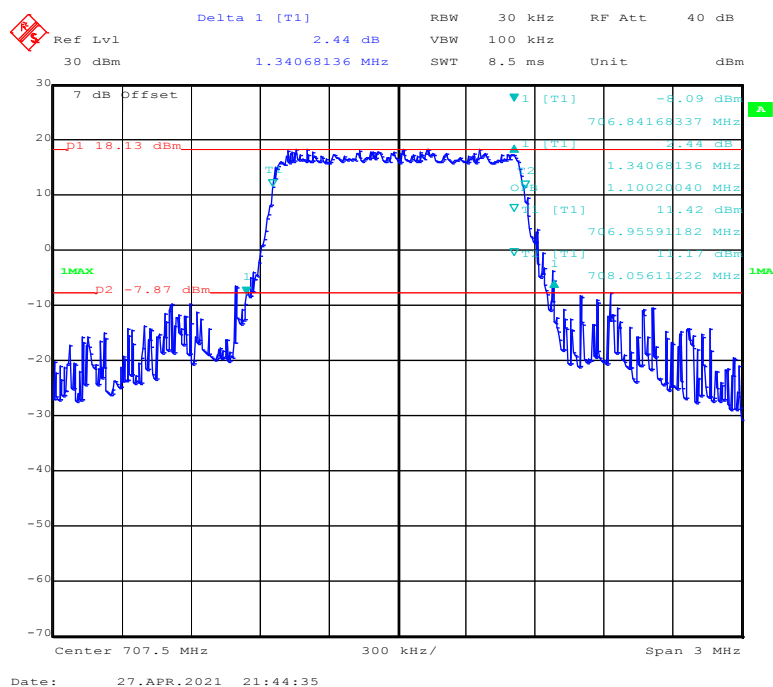
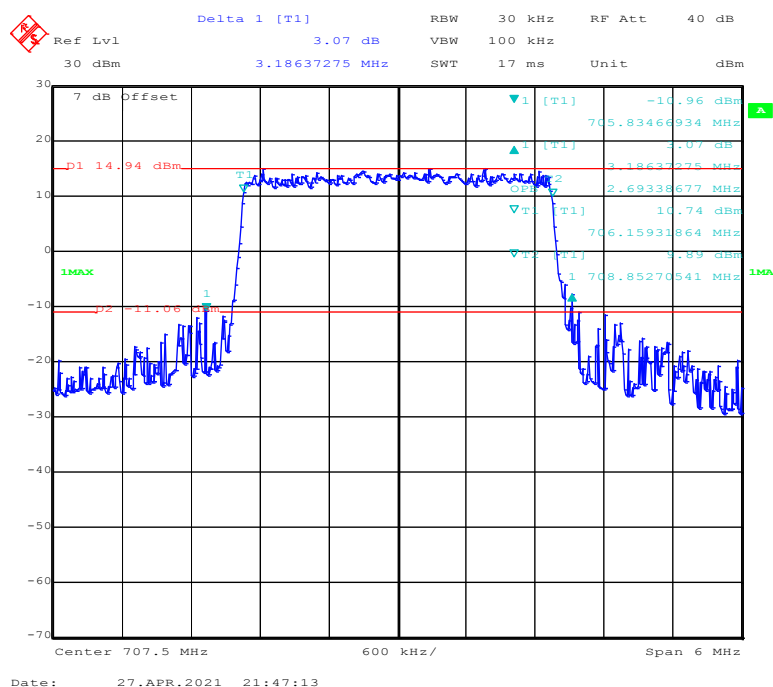
703.03106212 MHz

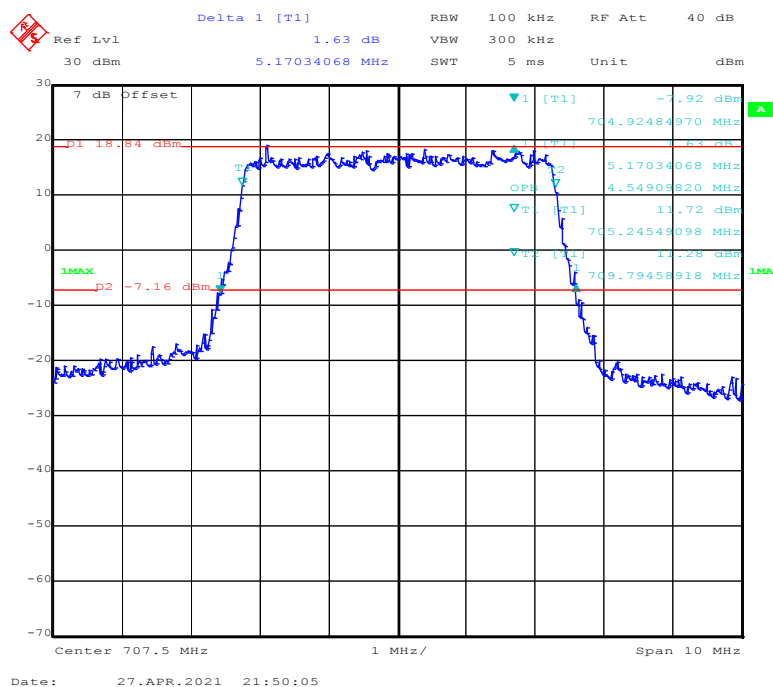
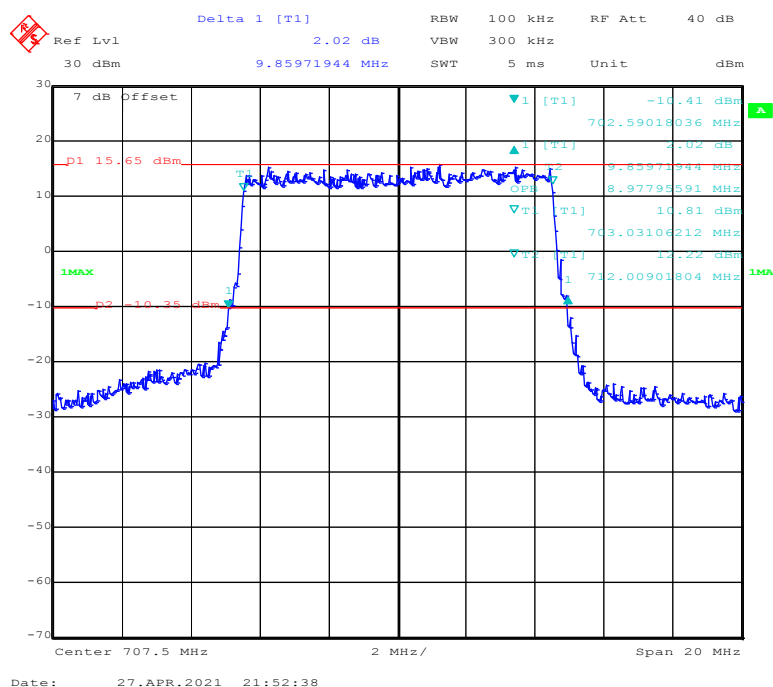
▼T2 [T1] 12.75 dBm

702.00901804 MHz

Center 707.5 MHz 2 MHz/ Span 20 MHz

Date: 27.APR.2021 21:52:16

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Ref Lvl 30 dBm Offset -0.19 dB RBW 30 kHz RF Att 40 dB
 30 dBm 1.27454910 MHz SWT 8.5 ms Unit dBm

7 dB Offset
 1.27454910 MHz
 1.09418838 MHz
 -5.64 dBm
 -5.95 dBm
 1.27454910 MHz
 1.09418838 MHz
 -5.64 dBm
 -5.95 dBm

Center 715.3 MHz 300 kHz/ Span 3 MHz

Date: 27.APR.2021 21:44:59

Delta 1 [T1]

Ref Lvl 1.47 dB

30 dBm 2.87374749 MHz

RBW 30 kHz

SWT 17 ms

RF Att 40 dB

Unit dBm

7 dB Offset

p1 16.01 dBm

p2 -9.99 dBm

1MAX

1MIN

▼1 [T1] -10.88 dBm 703.06312625 MHz

▲1 [T1] 1.47 dB 2.87374749 MHz

▽1 [T1] 12.03 dBm 703.15931864 MHz

▽1 [T1] 13.23 dBm 703.84068136 MHz

Center 714.5 MHz

600 kHz/

Span 6 MHz

Date: 27.APR.2021 21:47:33

[illegible]

Delta 1 [T1] -1.61 dB

RBW 100 kHz RF Att 40 dB

Ref Lvl 30 dBm

30 dBm 9.93987976 MHz

SWT 5 ms Unit dBm

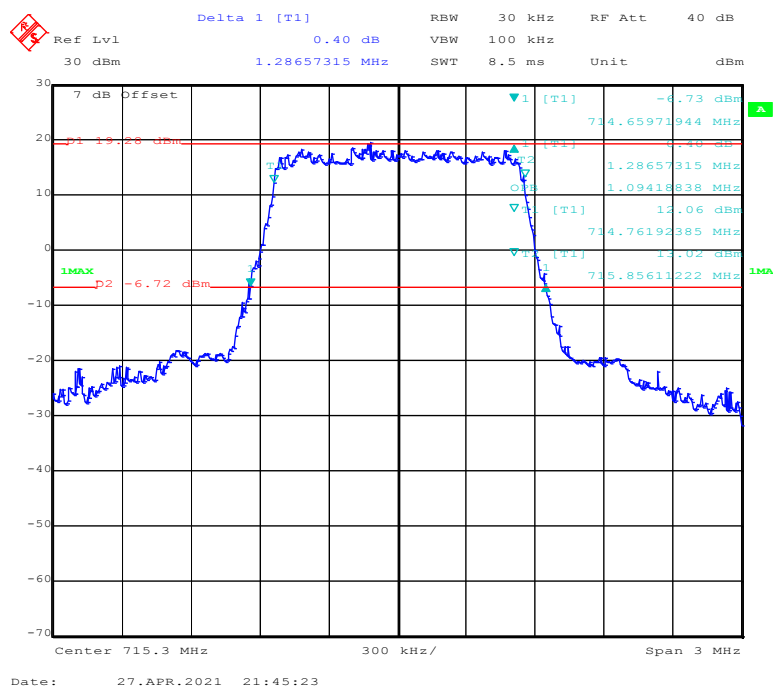
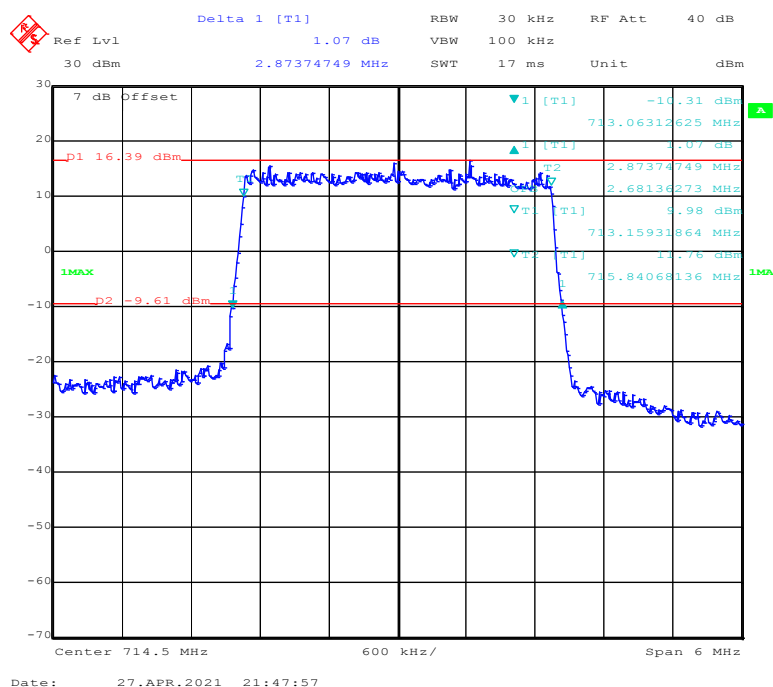
7 dB Offset

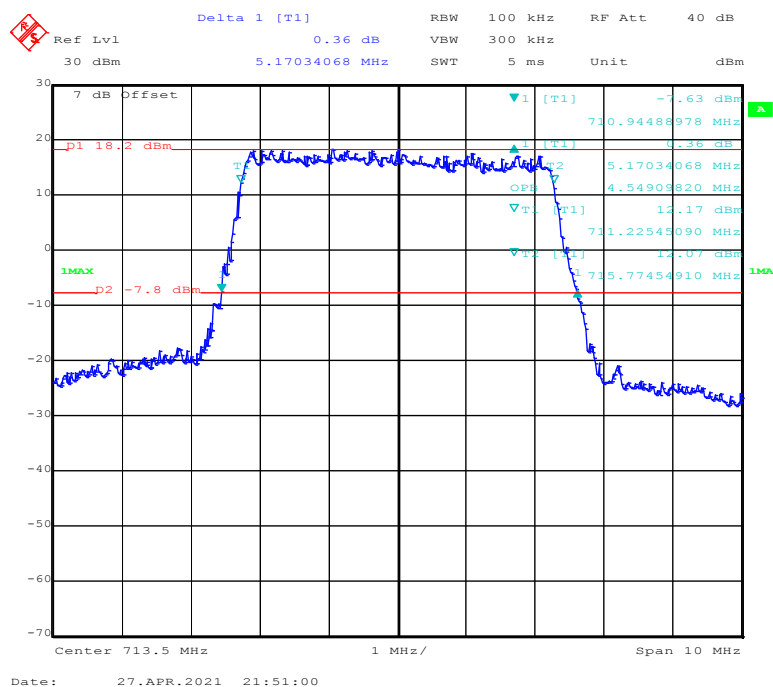
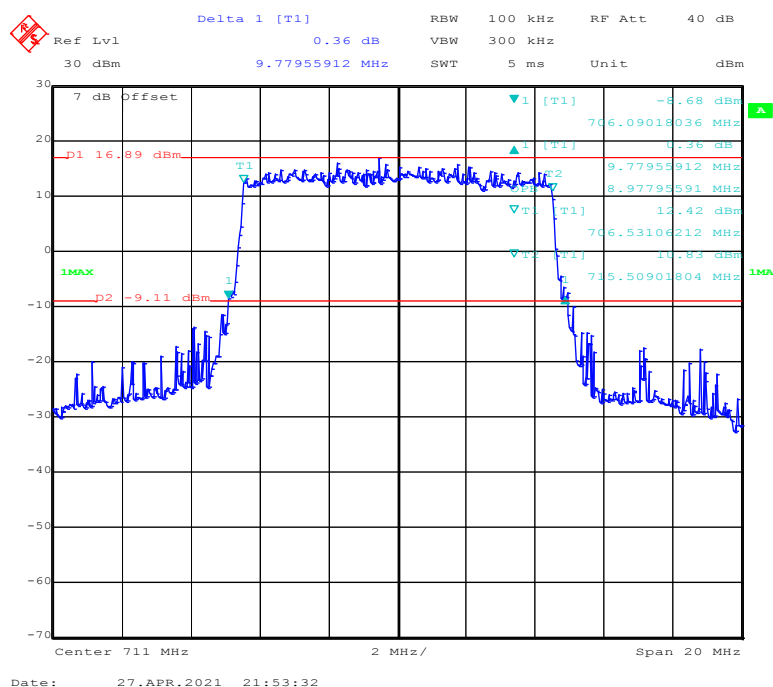
1MAX

1MAX

Center 711 MHz 2 MHz/ Span 20 MHz

Date: 27.APR.2021 21:53:07

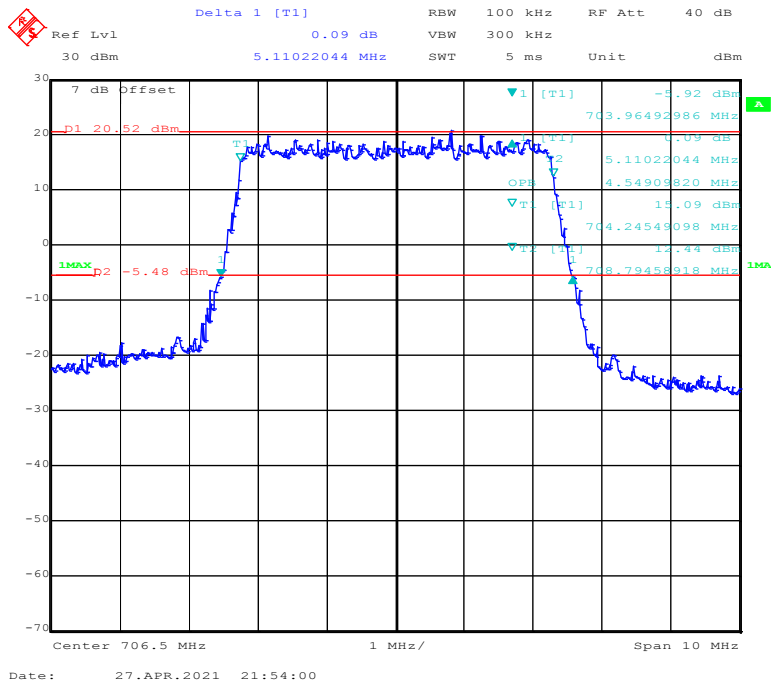
16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (3.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

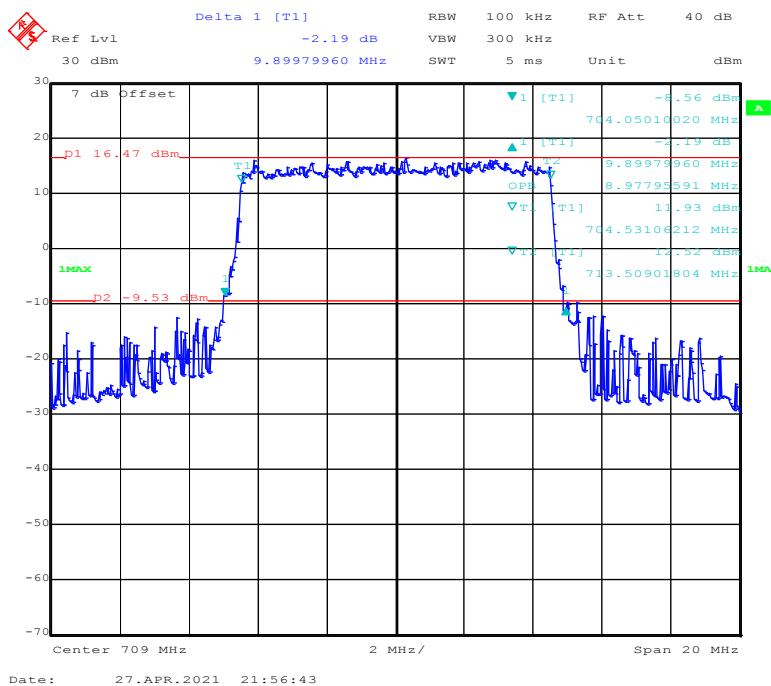
LTE Band 17:

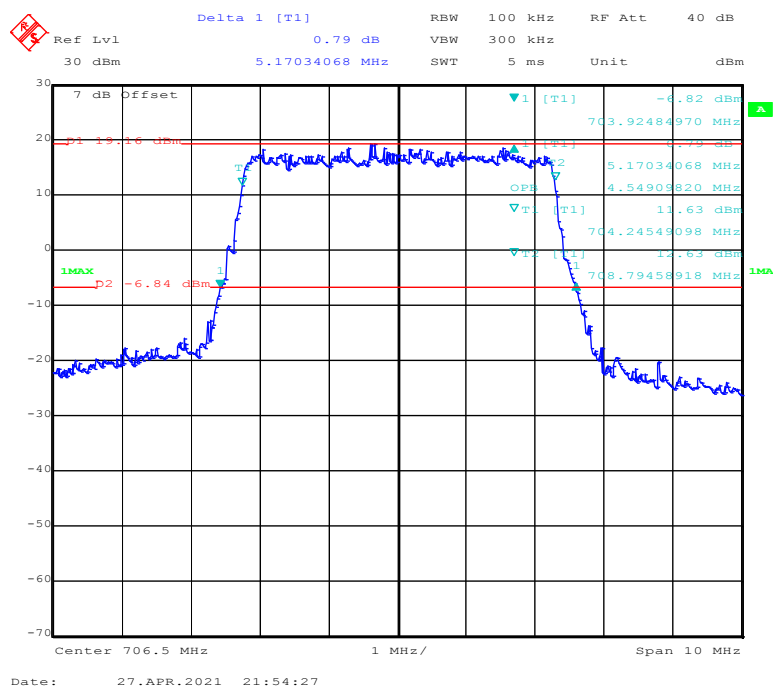
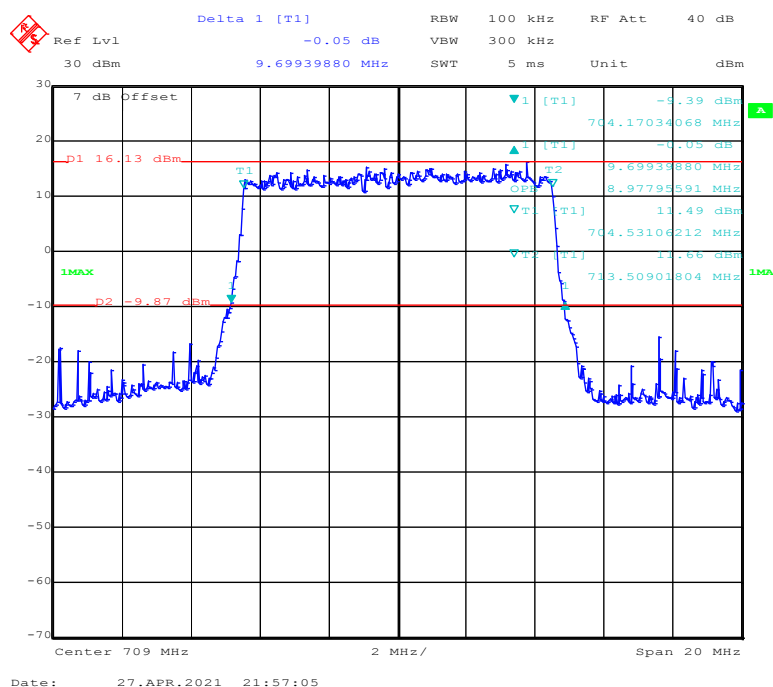
Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	5M	Low	5.110	4.549
	10M		9.900	8.978
	5M	Middle	5.150	4.529
	10M		9.980	8.978
	5M	High	5.170	4.529
	10M		9.860	8.978
16-QAM	5M	Low	5.170	4.549
	10M		9.699	8.978
	5M	Middle	5.130	4.529
	10M		9.739	8.978
	5M	High	5.311	4.529
	10M		9.820	8.978

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

[illegible]

Ref Lvl 30 dBm Delta 1 [T1] 1.97 dB RBW 100 kHz RF Att 40 dB
 30 dBm 9.97995992 MHz SWT 5 ms Unit dBm

7 dB Offset
 P1 17.36 dBm
 1MAX
 P2 -8.64 dBm
 1MAX

▼1 [T1] -8.67 dBm
 7:5.17034068 MHz
 ▲1 [T1] 1.97 dB
 9.97995992 MHz
 T2 9.97795591 MHz
 OP1
 ▼T1 [T1] 11.53 dBm
 7:6.53106212 MHz
 ▼T1 [T1] 11.86 dBm
 1 7:4.50901804 MHz

Center 710 MHz 2 MHz/ Span 20 MHz

Date: 27.APR.2021 21:57:30

The screenshot displays a spectrum analyzer interface with a blue signal trace. The y-axis represents power in dBm, ranging from -70 to 30. The x-axis represents frequency, with a center frequency of 710 MHz and a span of 10 MHz. Two horizontal red lines indicate power levels: 'p1 18.2 dBm' and 'p2 -7.8 dBm'. The signal trace shows a rising edge, a flat top, and a falling edge. Several measurement points are marked with green triangles and labeled: 'T1', 'T2', 'T3', 'T4', 'T5', 'T6', 'T7', 'T8', 'T9', 'T10', 'T11', 'T12', 'T13', 'T14', 'T15', 'T16', 'T17', 'T18', 'T19', 'T20'. The top of the screen shows various parameters: 'Ref Lvl 30 dBm', 'Delta 1 [T1] 0.37 dB', 'RBW 100 kHz', 'RF Att 40 dB', 'SWT 5 ms', 'Unit dBm'. The bottom of the screen shows 'Center 710 MHz', '1 MHz/', and 'Span 10 MHz'. The date and time are 'Date: 27.APR.2021 21:55:19'.

Measurement	Value
Ref Lvl	30 dBm
Delta 1 [T1]	0.37 dB
RBW	100 kHz
RF Att	40 dB
SWT	5 ms
Unit	dBm
p1	18.2 dBm
p2	-7.8 dBm
T1	7.42484970 MHz
T2	5.13026052 MHz
T3	4.52905812 MHz
T4	10.78 dBm
T5	7.74549098 MHz
T6	12.95 dBm
T7	7.27454910 MHz

Delta 1 [T1]

Ref Lvl -0.38 dB

30 dBm 9.73947896 MHz

RBW 100 kHz RF Att 40 dB

SWT 5 ms Unit dBm

7 dB Offset

P1 15.55 dBm

1MAX

P2 -10.18 dBm

Center 710 MHz

2 MHz/

Span 20 MHz

▼1 [T1] -5.69 dBm 705.13026052 MHz

▲1 [T1] -0.38 dB 9.73947896 MHz

▼T1 [T1] 10.35 dBm 705.53106212 MHz

▼T1 [T1] 11.17 dBm 704.50901804 MHz

1MAX