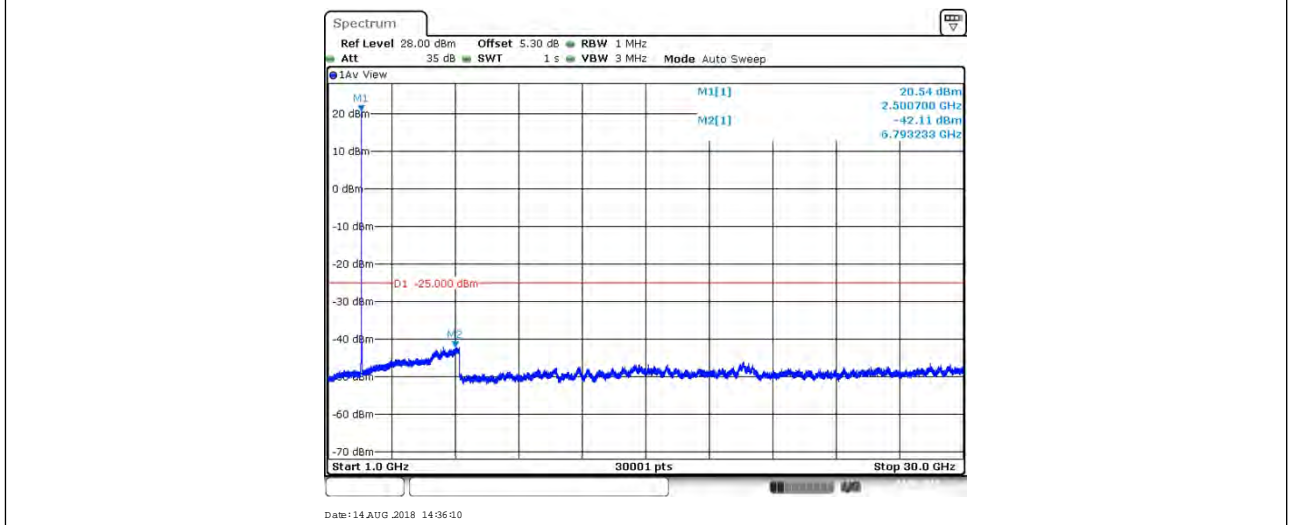
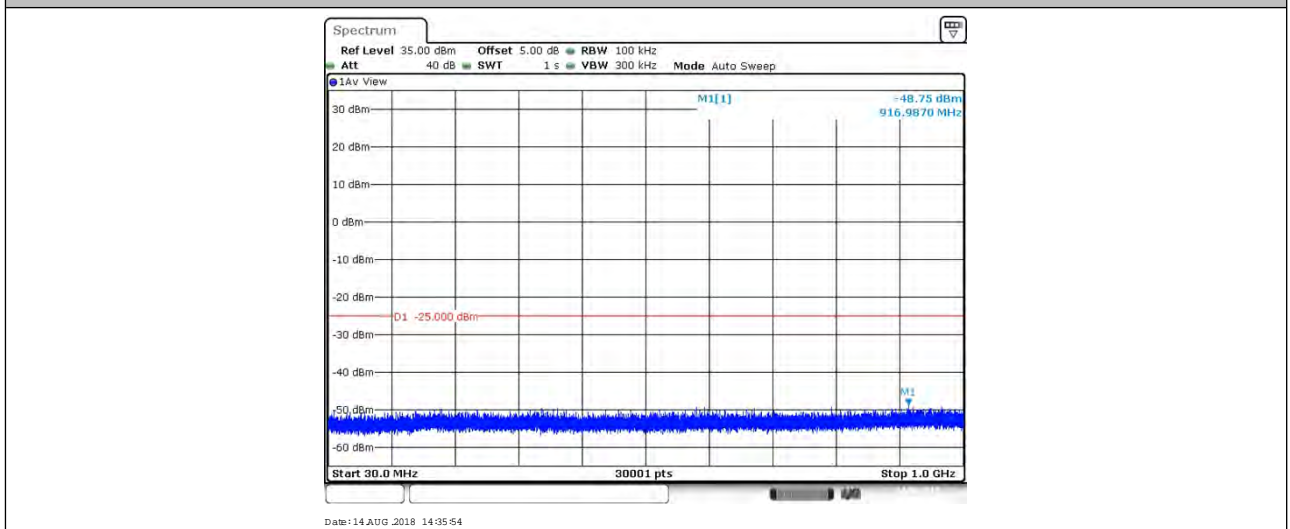
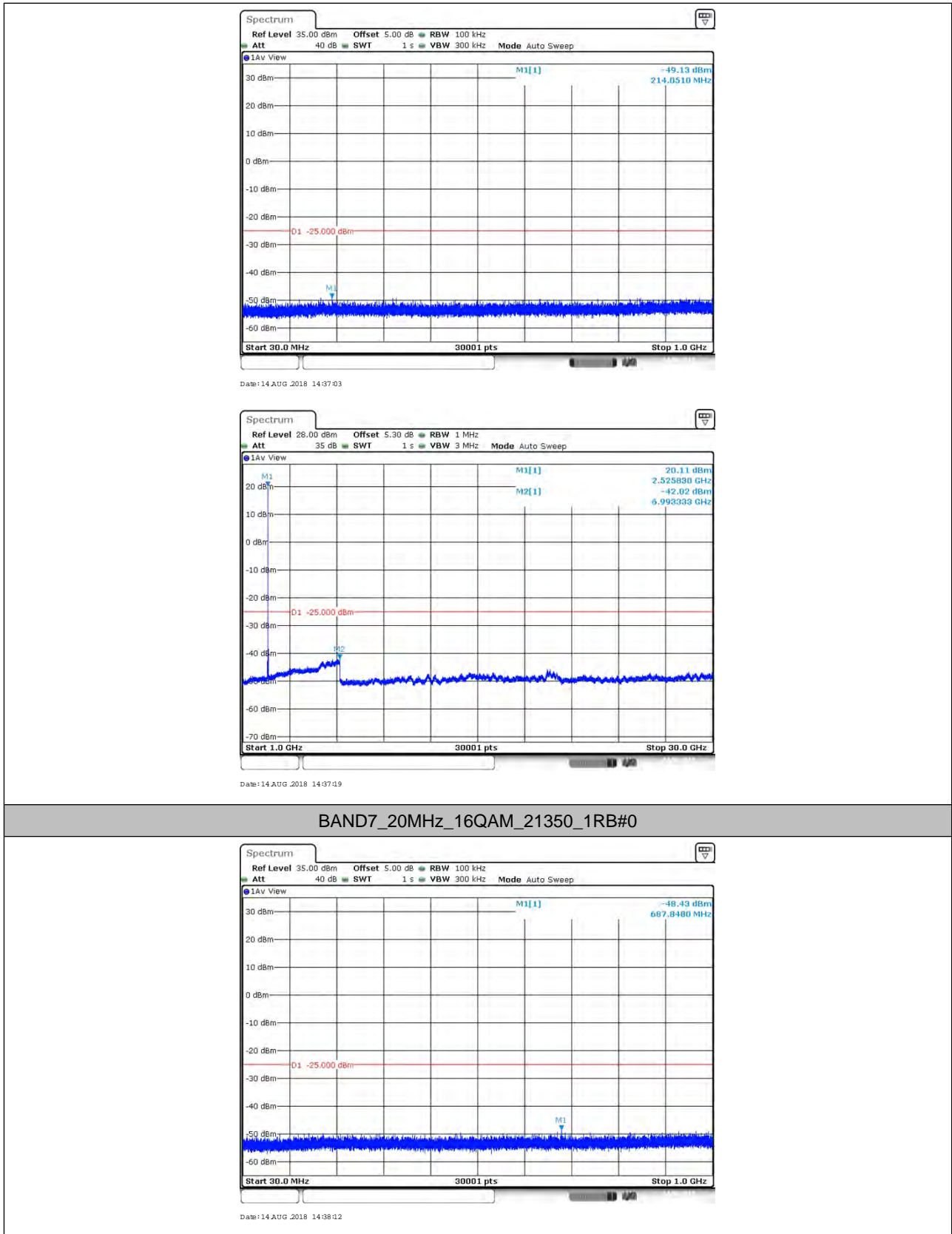


BAND7\_20MHz\_16QAM\_20850\_1RB#0



BAND7\_20MHz\_16QAM\_21100\_1RB#0



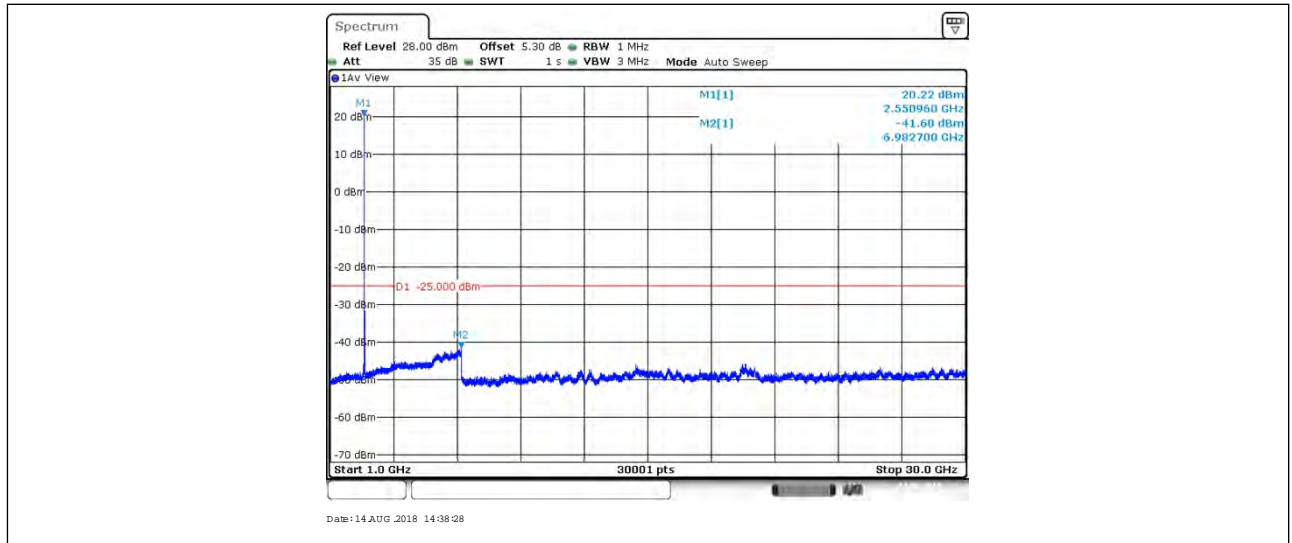
BAND7\_20MHz\_16QAM\_21350\_1RB#0



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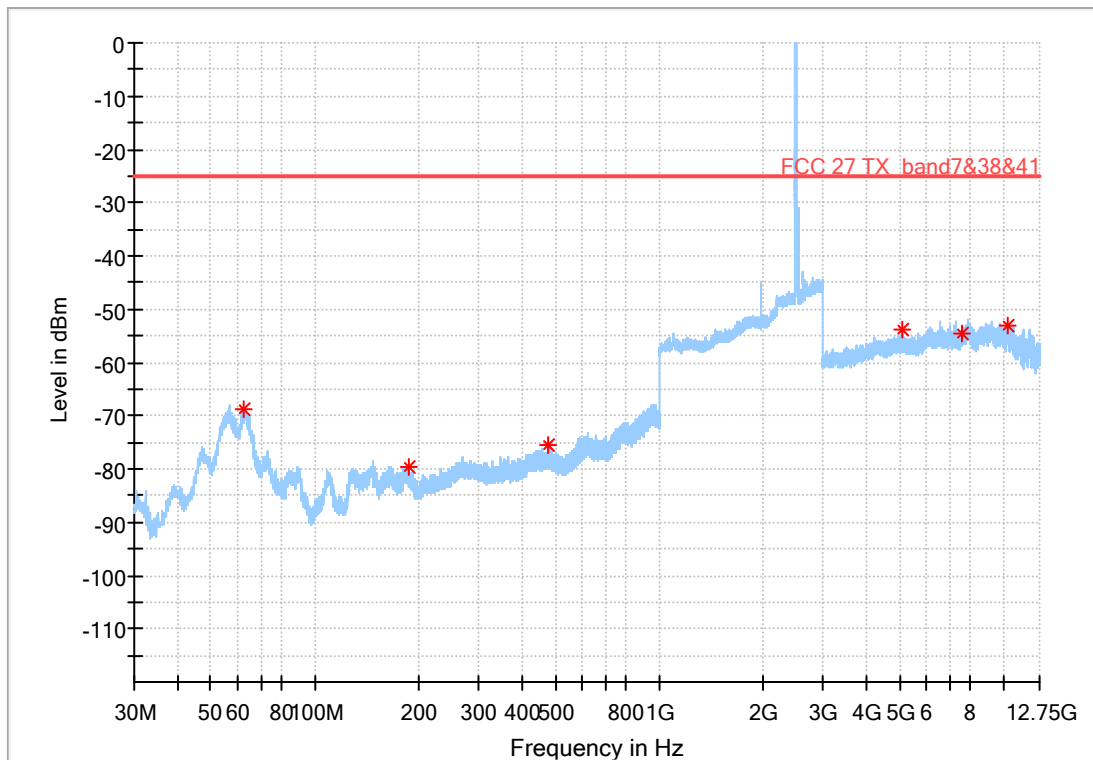


## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE BAND 7-Main Antenna

#### 7.1.1. Test Channel = LCH\_H

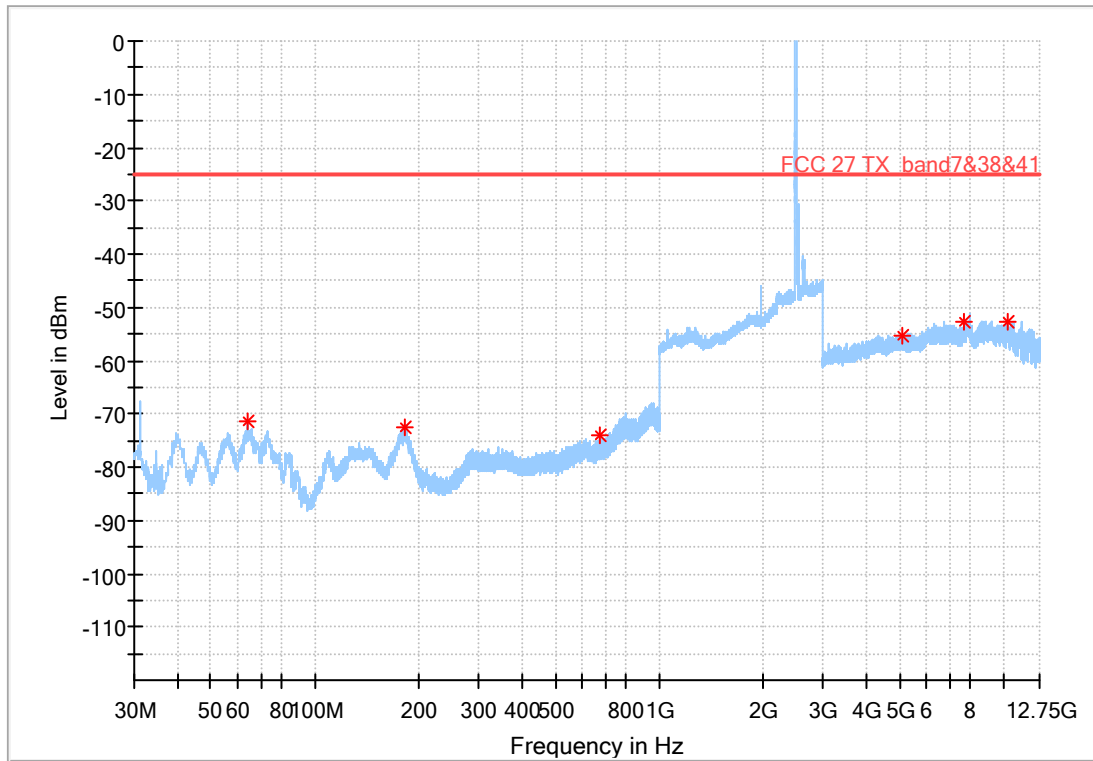
Full Spectrum





### 7.1.2. Test Channel = LCH\_V

Full Spectrum

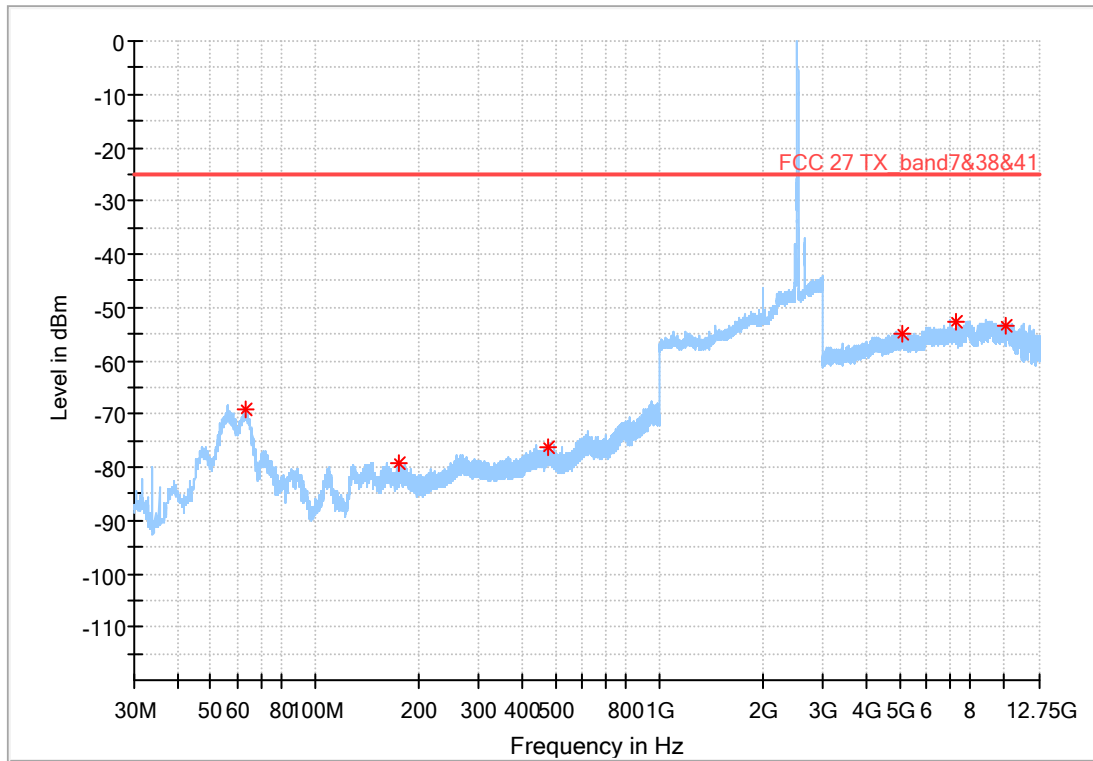






### 7.1.3. Test Channel = MCH\_H

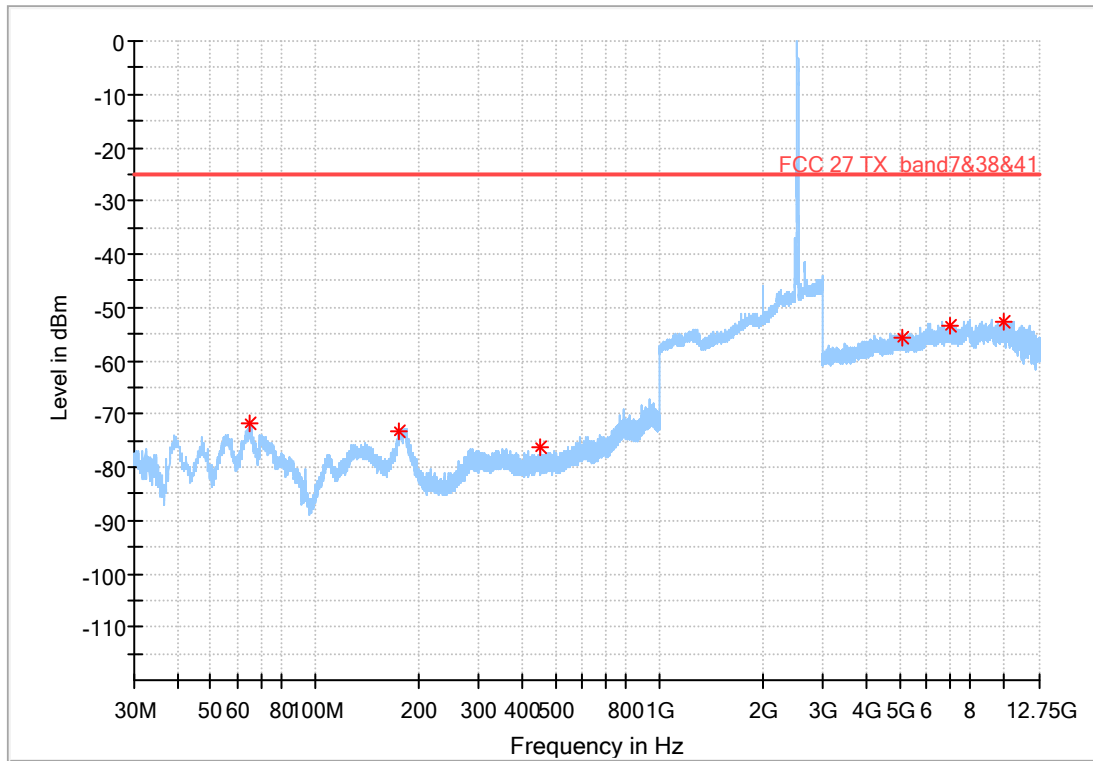
Full Spectrum





### 7.1.4. Test Channel = MCH\_V

Full Spectrum

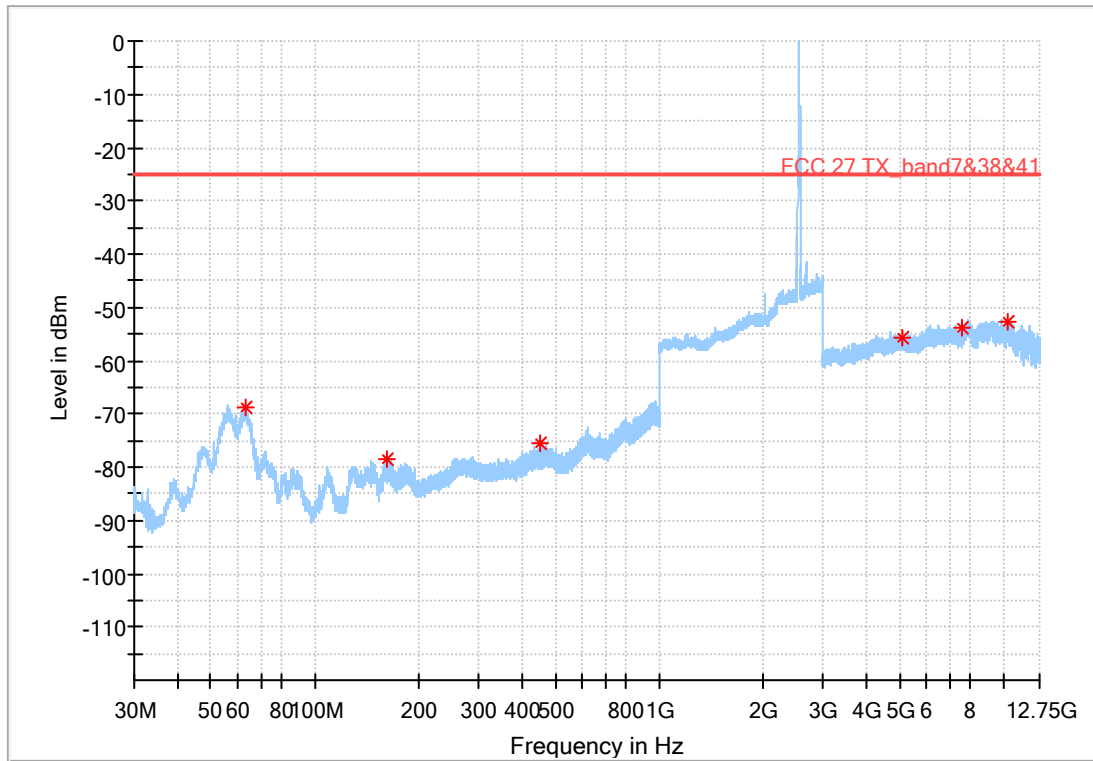






### 7.1.5. Test Channel = HCH\_H

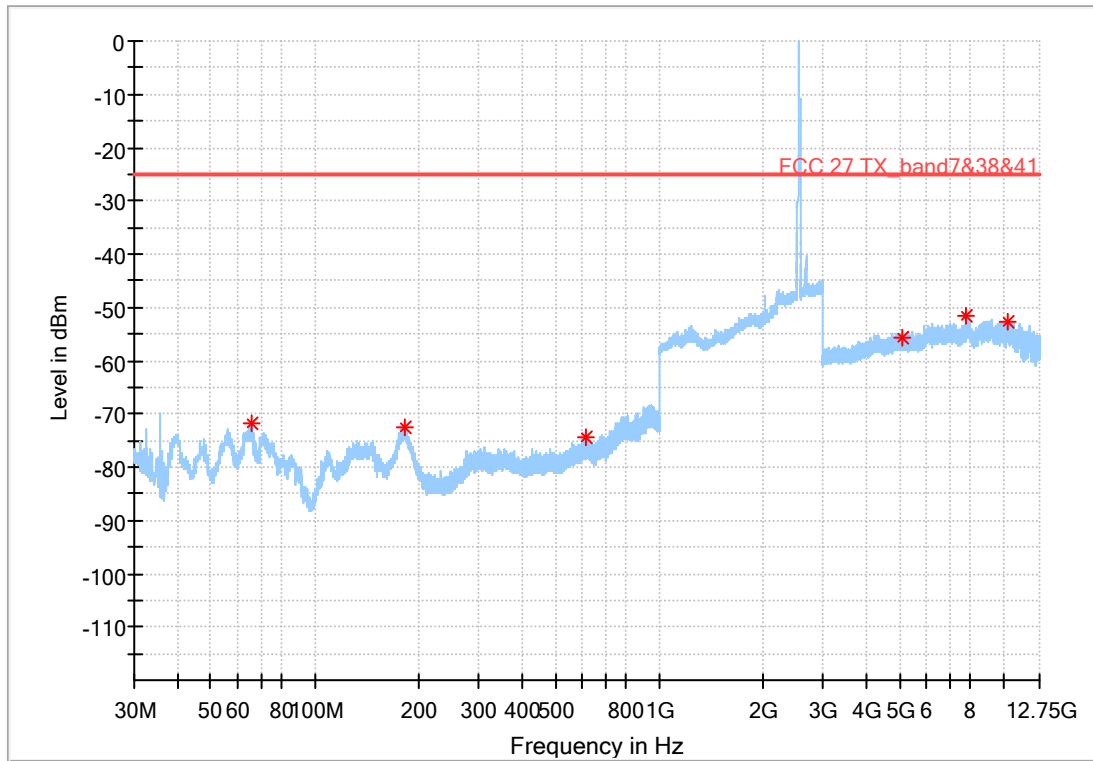
Full Spectrum





### 7.1.6. Test Channel = HCH\_V

Full Spectrum

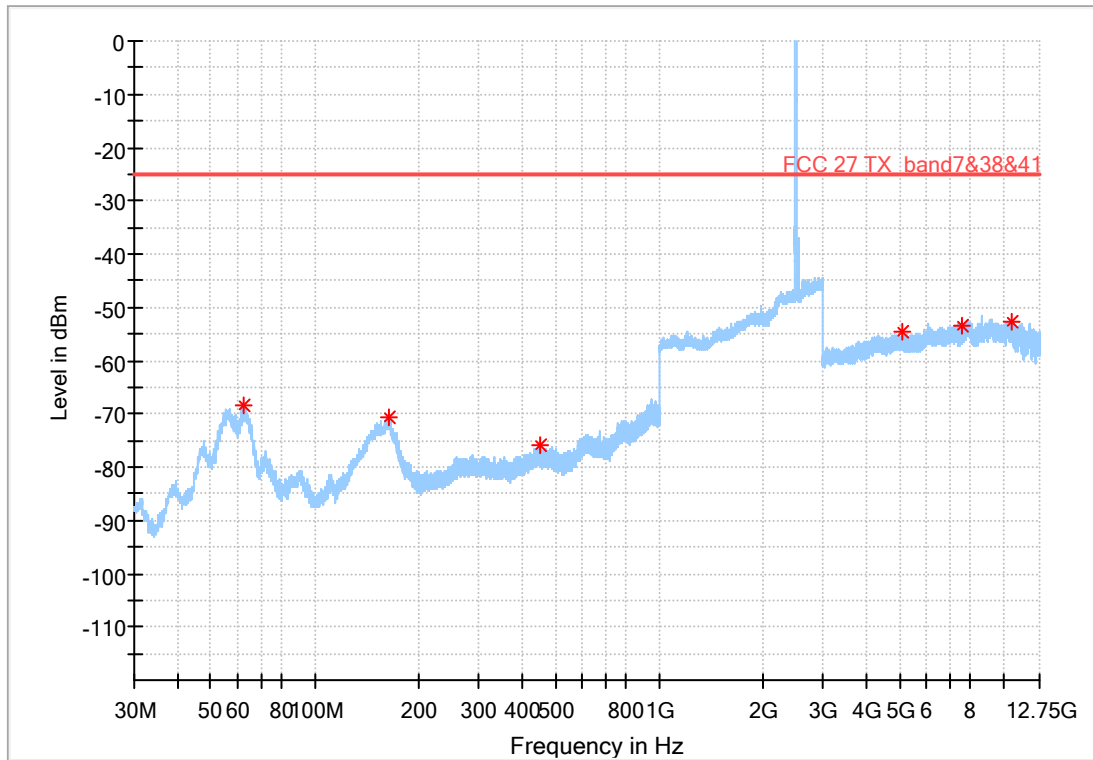




## 7.2. Test BAND = LTE BAND 7-Second Antenna

### 7.2.1. Test Channel = LCH\_H

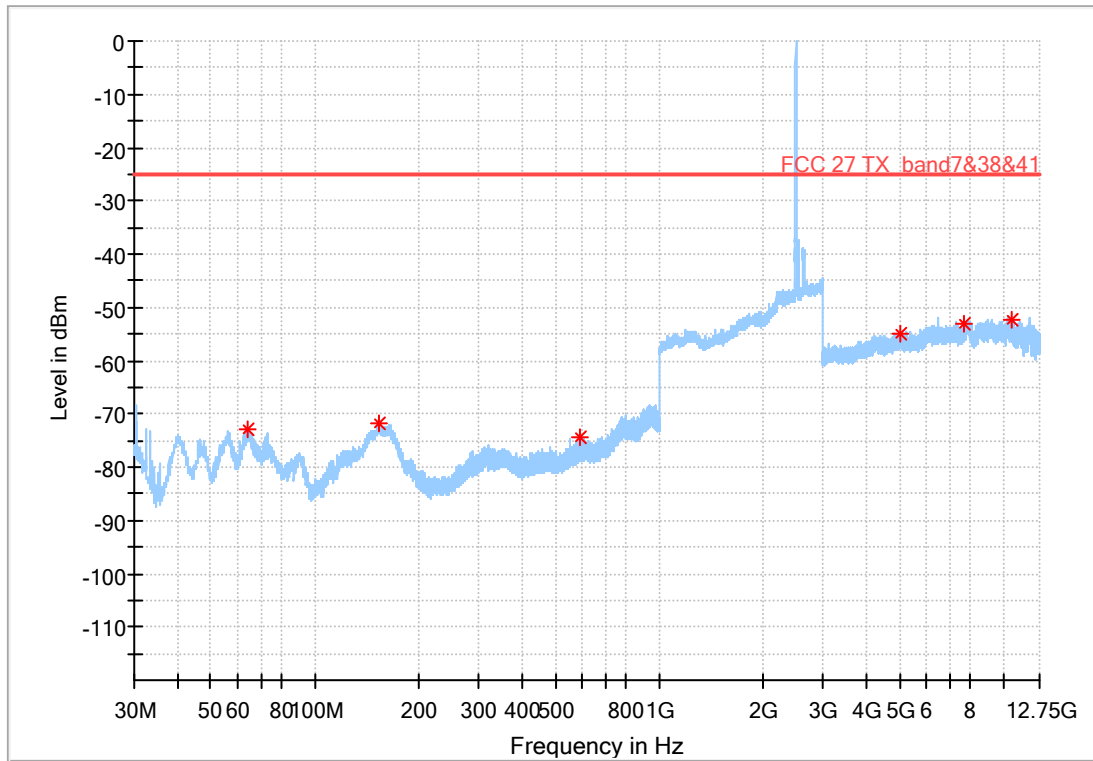
Full Spectrum





### 7.2.2. Test Channel = LCH\_V

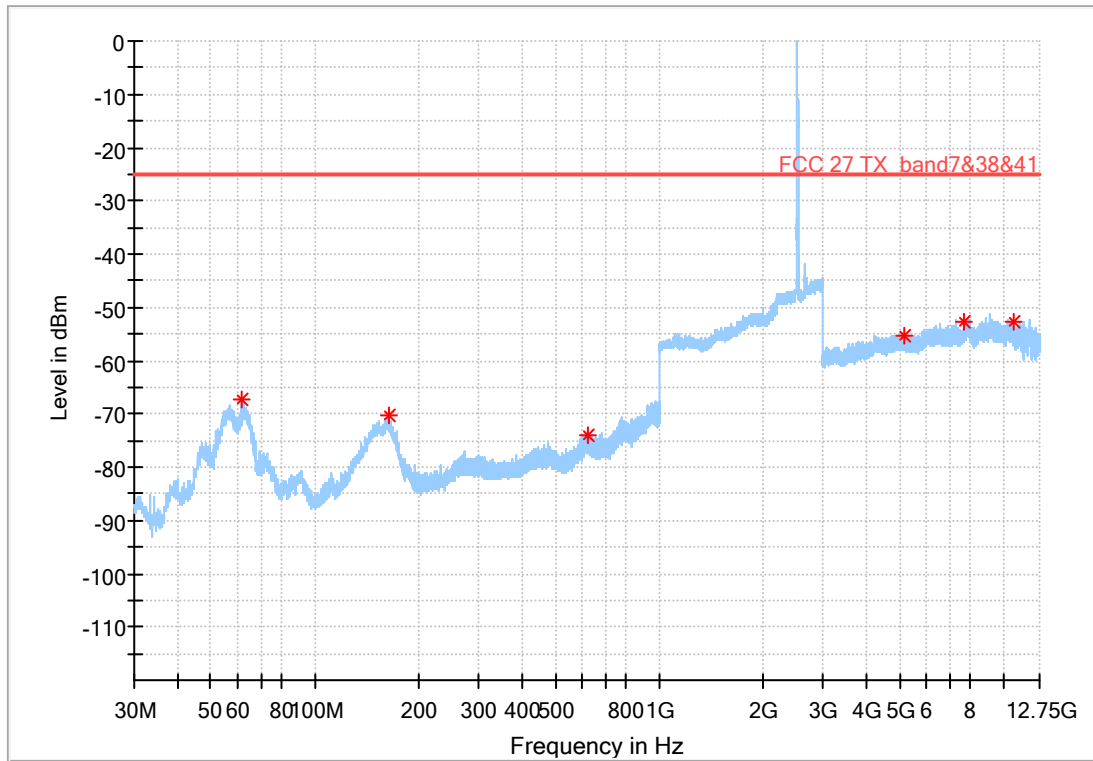
Full Spectrum





### 7.2.3. Test Channel = MCH\_H

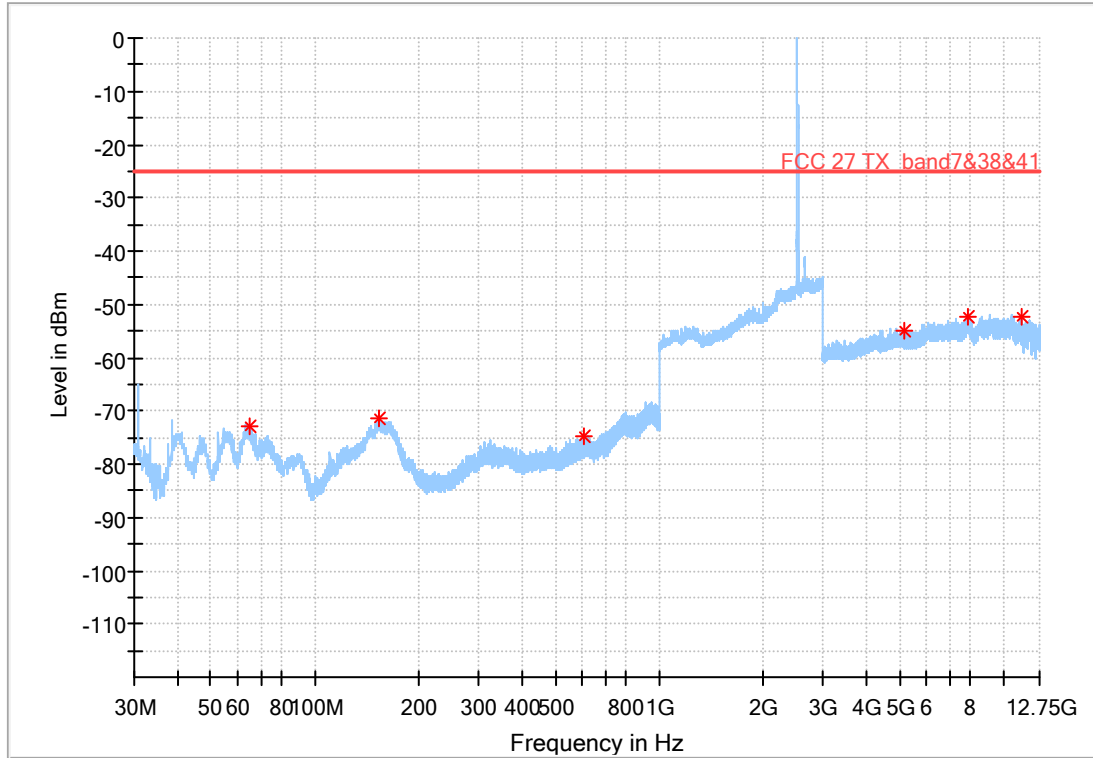
Full Spectrum





### 7.2.4. Test Channel = MCH\_V

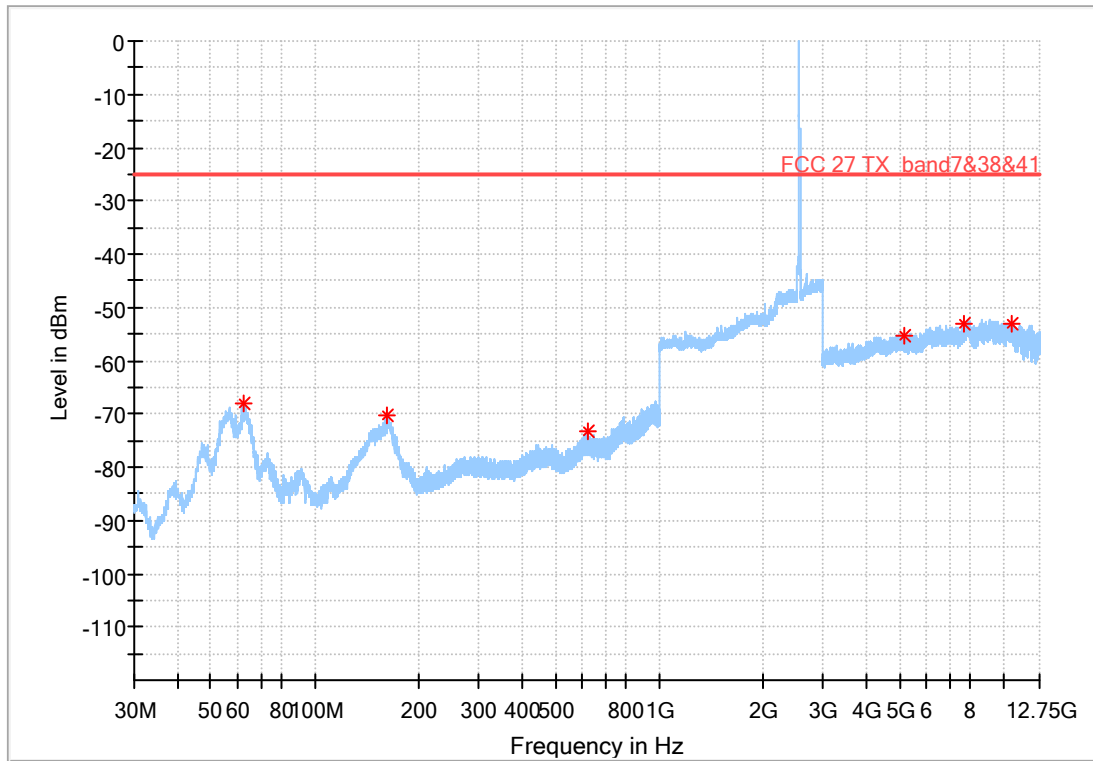
Full Spectrum





### 7.2.5. Test Channel = HCH\_H

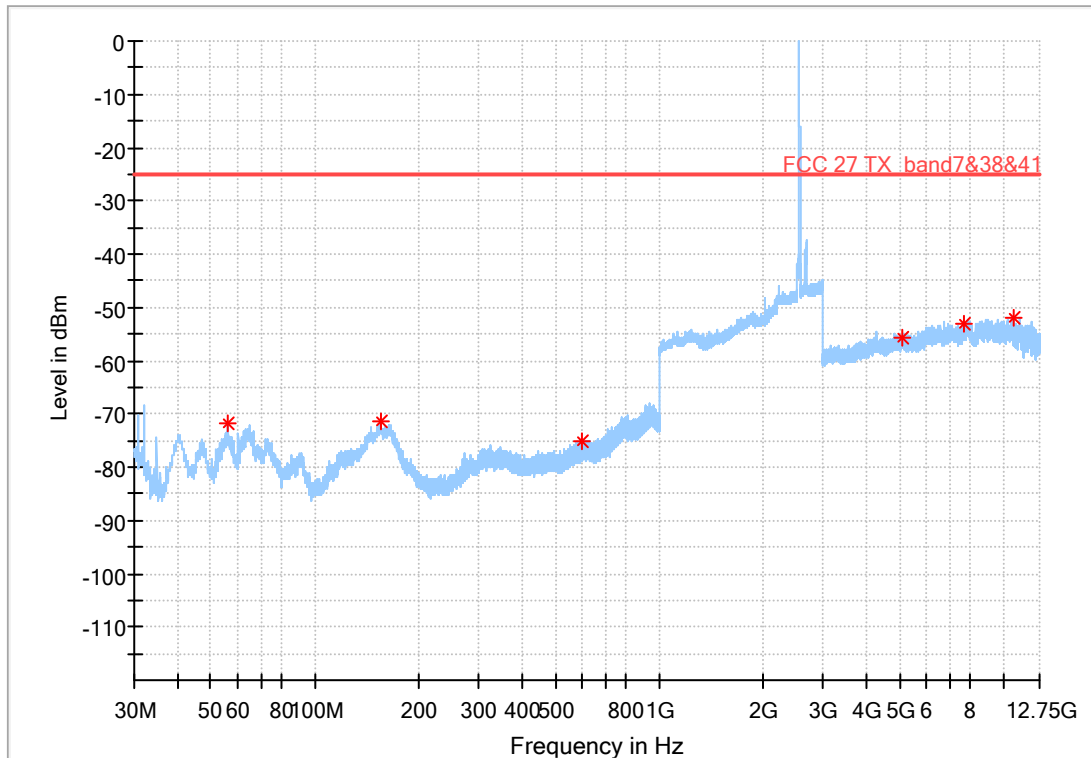
Full Spectrum





### 7.2.6. Test Channel = HCH\_V

Full Spectrum



**NOTE:**

- 1) All modes are tested, but the data presented above is the worst case. the disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worse case had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



## 8. Frequency Stability

### 9.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND7	20MHz	QPSK	20850	100RB#0	VL	NT	0.30	0.000120	±2.5	PASS
BAND7	20MHz	QPSK	20850	100RB#0	VN	NT	0.40	0.000159	±2.5	PASS
BAND7	20MHz	QPSK	20850	100RB#0	VH	NT	0.40	0.000159	±2.5	PASS
BAND7	20MHz	QPSK	21100	100RB#0	VL	NT	1.40	0.000552	±2.5	PASS
BAND7	20MHz	QPSK	21100	100RB#0	VN	NT	0.60	0.000237	±2.5	PASS
BAND7	20MHz	QPSK	21100	100RB#0	VH	NT	0.90	0.000355	±2.5	PASS
BAND7	20MHz	QPSK	21350	100RB#0	VL	NT	3.00	0.001172	±2.5	PASS
BAND7	20MHz	QPSK	21350	100RB#0	VN	NT	2.90	0.001133	±2.5	PASS
BAND7	20MHz	QPSK	21350	100RB#0	VH	NT	2.70	0.001055	±2.5	PASS
BAND7	20MHz	64QAM	20850	100RB#0	VL	NT	6.40	0.002550	±2.5	PASS
BAND7	20MHz	64QAM	20850	100RB#0	VN	NT	10.90	0.004343	±2.5	PASS
BAND7	20MHz	64QAM	20850	100RB#0	VH	NT	6.60	0.002629	±2.5	PASS
BAND7	20MHz	64QAM	21100	100RB#0	VL	NT	0.70	0.000276	±2.5	PASS
BAND7	20MHz	64QAM	21100	100RB#0	VN	NT	0.40	0.000158	±2.5	PASS
BAND7	20MHz	64QAM	21100	100RB#0	VH	NT	0.90	0.000355	±2.5	PASS
BAND7	20MHz	64QAM	21350	100RB#0	VL	NT	3.20	0.001250	±2.5	PASS
BAND7	20MHz	64QAM	21350	100RB#0	VN	NT	2.90	0.001133	±2.5	PASS
BAND7	20MHz	64QAM	21350	100RB#0	VH	NT	3.10	0.001211	±2.5	PASS
BAND7	20MHz	16QAM	20850	100RB#0	VL	NT	1.10	0.000438	±2.5	PASS
BAND7	20MHz	16QAM	20850	100RB#0	VN	NT	0.30	0.000120	±2.5	PASS
BAND7	20MHz	16QAM	20850	100RB#0	VH	NT	0.90	0.000359	±2.5	PASS
BAND7	20MHz	16QAM	21100	100RB#0	VL	NT	0.90	0.000355	±2.5	PASS
BAND7	20MHz	16QAM	21100	100RB#0	VN	NT	0.70	0.000276	±2.5	PASS
BAND7	20MHz	16QAM	21100	100RB#0	VH	NT	0.30	0.000118	±2.5	PASS
BAND7	20MHz	16QAM	21350	100RB#0	VL	NT	2.90	0.001133	±2.5	PASS
BAND7	20MHz	16QAM	21350	100RB#0	VN	NT	2.90	0.001133	±2.5	PASS
BAND7	20MHz	16QAM	21350	100RB#0	VH	NT	2.90	0.001133	±2.5	PASS

### 9.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND7	20MHz	QPSK	20850	100RB#0	NV	-30	0.70	0.000279	±2.5	PASS
BAND7	20MHz	QPSK	20850	100RB#0	NV	-20	0.40	0.000159	±2.5	PASS
BAND7	20MHz	QPSK	20850	100RB#0	NV	0	0.40	0.000159	±2.5	PASS
BAND7	20MHz	QPSK	20850	100RB#0	NV	10	0.60	0.000239	±2.5	PASS
BAND7	20MHz	QPSK	20850	100RB#0	NV	20	0.30	0.000120	±2.5	PASS
BAND7	20MHz	QPSK	21100	100RB#0	NV	-30	-0.10	-0.000039	±2.5	PASS
BAND7	20MHz	QPSK	21100	100RB#0	NV	-20	0.40	0.000158	±2.5	PASS
BAND7	20MHz	QPSK	21100	100RB#0	NV	0	0.20	0.000079	±2.5	PASS
BAND7	20MHz	QPSK	21100	100RB#0	NV	10	0.10	0.000039	±2.5	PASS



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BAND7	20MHz	QPSK	21100	100RB#0	NV	20	0.90	0.000355	±2.5	PASS
BAND7	20MHz	QPSK	21350	100RB#0	NV	-30	2.50	0.000977	±2.5	PASS
BAND7	20MHz	QPSK	21350	100RB#0	NV	-20	2.80	0.001094	±2.5	PASS
BAND7	20MHz	QPSK	21350	100RB#0	NV	0	2.70	0.001055	±2.5	PASS
BAND7	20MHz	QPSK	21350	100RB#0	NV	10	3.10	0.001211	±2.5	PASS
BAND7	20MHz	QPSK	21350	100RB#0	NV	20	3.30	0.001289	±2.5	PASS
BAND7	20MHz	64QAM	20850	100RB#0	NV	-30	9.10	0.003625	±2.5	PASS
BAND7	20MHz	64QAM	20850	100RB#0	NV	-20	9.20	0.003665	±2.5	PASS
BAND7	20MHz	64QAM	20850	100RB#0	NV	0	10.80	0.004303	±2.5	PASS
BAND7	20MHz	64QAM	20850	100RB#0	NV	10	13.40	0.005339	±2.5	PASS
BAND7	20MHz	64QAM	20850	100RB#0	NV	20	9.30	0.003705	±2.5	PASS
BAND7	20MHz	64QAM	21100	100RB#0	NV	-30	0.80	0.000316	±2.5	PASS
BAND7	20MHz	64QAM	21100	100RB#0	NV	-20	0.50	0.000197	±2.5	PASS
BAND7	20MHz	64QAM	21100	100RB#0	NV	0	0.70	0.000276	±2.5	PASS
BAND7	20MHz	64QAM	21100	100RB#0	NV	10	0.40	0.000158	±2.5	PASS
BAND7	20MHz	64QAM	21100	100RB#0	NV	20	0.30	0.000118	±2.5	PASS
BAND7	20MHz	64QAM	21350	100RB#0	NV	-30	2.80	0.001094	±2.5	PASS
BAND7	20MHz	64QAM	21350	100RB#0	NV	-20	2.40	0.000938	±2.5	PASS
BAND7	20MHz	64QAM	21350	100RB#0	NV	0	2.50	0.000977	±2.5	PASS
BAND7	20MHz	64QAM	21350	100RB#0	NV	10	2.70	0.001055	±2.5	PASS
BAND7	20MHz	64QAM	21350	100RB#0	NV	20	3.20	0.001250	±2.5	PASS
BAND7	20MHz	16QAM	20850	100RB#0	NV	-30	0.70	0.000279	±2.5	PASS
BAND7	20MHz	16QAM	20850	100RB#0	NV	-20	0.10	0.000040	±2.5	PASS
BAND7	20MHz	16QAM	20850	100RB#0	NV	0	0.30	0.000120	±2.5	PASS
BAND7	20MHz	16QAM	20850	100RB#0	NV	10	1.10	0.000438	±2.5	PASS
BAND7	20MHz	16QAM	20850	100RB#0	NV	20	0.70	0.000279	±2.5	PASS
BAND7	20MHz	16QAM	21100	100RB#0	NV	-30	0.80	0.000316	±2.5	PASS
BAND7	20MHz	16QAM	21100	100RB#0	NV	-20	0.60	0.000237	±2.5	PASS
BAND7	20MHz	16QAM	21100	100RB#0	NV	0	0.40	0.000158	±2.5	PASS
BAND7	20MHz	16QAM	21100	100RB#0	NV	10	0.80	0.000316	±2.5	PASS
BAND7	20MHz	16QAM	21100	100RB#0	NV	20	0.70	0.000276	±2.5	PASS
BAND7	20MHz	16QAM	21350	100RB#0	NV	-30	3.10	0.001211	±2.5	PASS
BAND7	20MHz	16QAM	21350	100RB#0	NV	-20	3.20	0.001250	±2.5	PASS
BAND7	20MHz	16QAM	21350	100RB#0	NV	0	2.30	0.000898	±2.5	PASS
BAND7	20MHz	16QAM	21350	100RB#0	NV	10	2.60	0.001016	±2.5	PASS
BAND7	20MHz	16QAM	21350	100RB#0	NV	20	2.50	0.000977	±2.5	PASS

The End